Standard Power Supplies

www.DeltaPSU.com

DELTA

ABOUT DELTA

Delta was founded in 1971 and has been the global leader in switching power supply solutions since 2002 and DC brushless fans since 2006. Delta offers some of the most energy efficient power products in the industry, including switching power supplies with efficient over 90%, telecom power with up to 98%, and PV inverters with up to 98.8% efficient. We have also developed the world's first server power supply certified as 80 Plus Titanium with over 96% efficient. We regularly invest 6% to 7% of our annual sales revenues in R&D and have worldwide R&D facilities in Taiwan, China, Europe, India, Japan, Singapore, Thailand, and the U.S.

BUSINESS CATEGORIES

Power Electronics

- Components
- Embedded Power
- Fan & Thermal Management
- Automotive Electronics
- Merchant & Mobile Power

Innergie

Automation

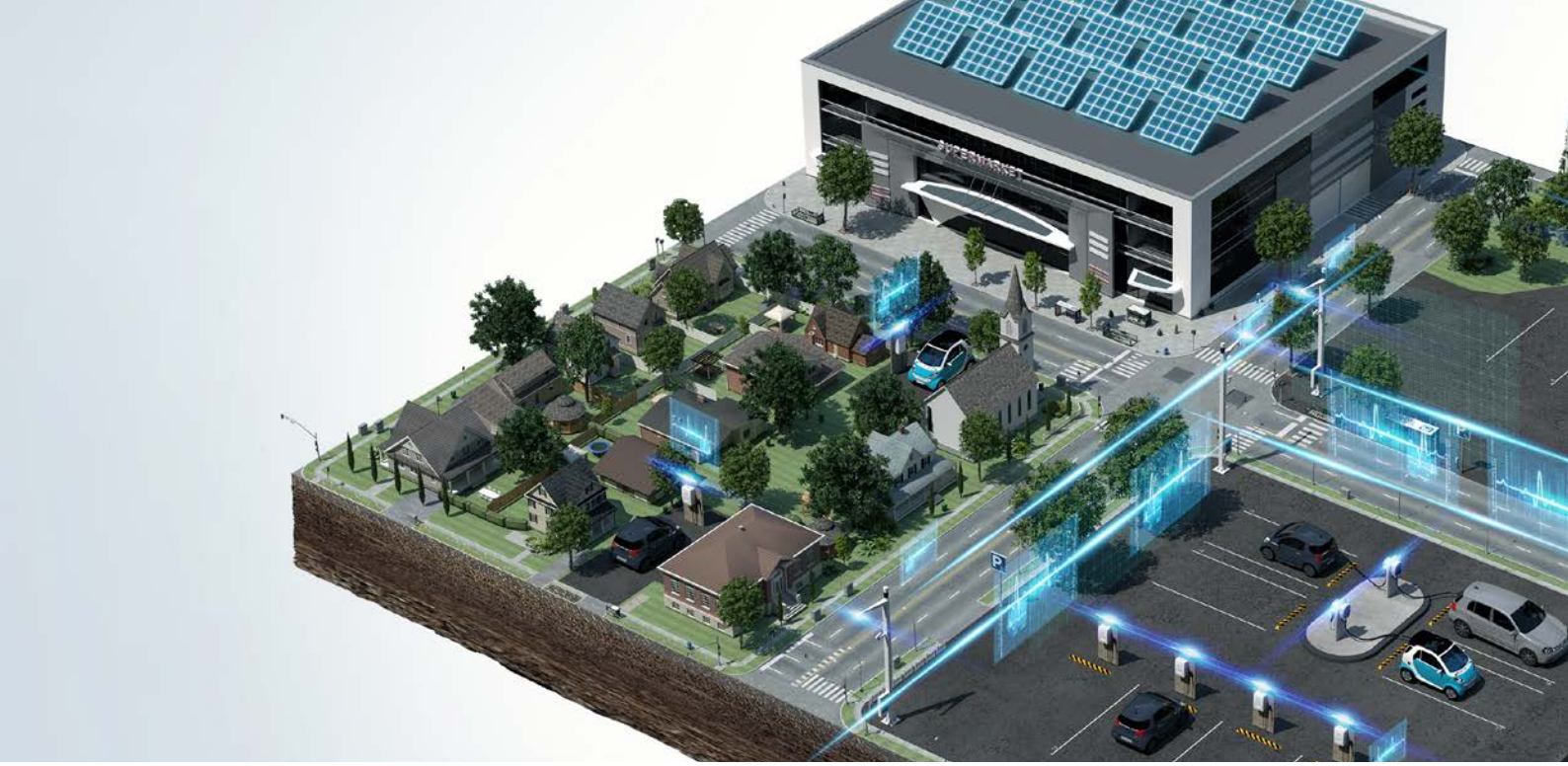
- Industrial Automation
- Building Automation

Infrastructure

- ICT Infrastructure
- Energy Infrastructure & Industrial Solutions

vivitek
Vivid Color. Vivid Life

DELTA
Smarter. Greener. Together.



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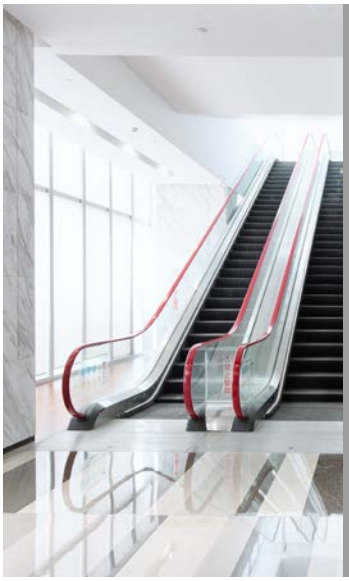
APPLICATIONS

Delta offers an extensive range of standard power supplies in DIN Rail, Panel Mount and Open Frame form factors. For sophisticated and critical applications, Delta offers specific features such as Advanced Power Boost, efficiency levels up to 94%, PMBus communication and more. The fast expanding portfolio offers various solutions in the Industrial, Medical and LED lighting segments.

The application examples below highlight some of the key power supply series suitable to meet the system requirements.

Applicable Series

	CliQ III, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMU, PJT, PJ, PJU
	CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT, PMT2, PMC, PMF, PMU
	CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMF, PMU, PJT, PJ, PJB, MEB
	CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, LYTE, LYTE II, CHROME, SYNC, PMT2, PMC, PMF, PMU, PJT, PJ, PJB, MEB
	CHROME, SYNC, PMT2, PMC, PJT, PJ, PJB, MEB
	PMC, PMF, PMR, PJL
	CliQ, CliQ II, CliQ III, CliQ M, CliQ VA, PMC
	MEB
	PMT2, PMC, PMF, PJT, PJ, PJB, PJH, PJU



Building Automation

- Escalator & Elevator
- CCTV Surveillance
- HVAC Control

Process Automation

- Petrochemicals Plant
- Waste Water Treatment
- Oil Refinery

Factory Automation

- Packaging Machine
- Wave Soldering Machine
- Conveyor Systems

Machine Automation

- Robotic Arm
- Injection Molding Machine

Renewable Energy

- Wind Turbine
- Solar Tracker System

Test & Measurement

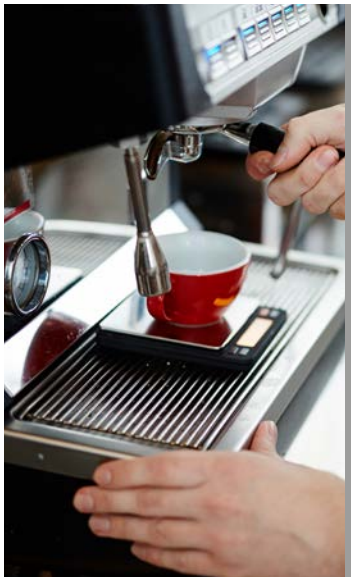
- Spectrum Analyzers
- AC Power Source
- Oscillators

Medical Equipment

- Medical Beds
- Portable Oxygen Concentrator
- Dialysis Equipment

LED Lighting

- Stage Lighting
- Signage



Food & Beverage

- Coffee Machine
- Vending Machine
- Kiosk

LATEST PRODUCTS

PMT2
Panel Mount with Low Profile Design (30mm)

Output Voltage: 12V - 48V, Dual Output
Output Power: 75W, 150W, 200W

PAGES 42-43, 45-46, 48, 50-51

PMC
Compact Panel Mount with Remote Sense

Output Voltage: 24V
Output Power: 600W

PAGE 57

MEB
Panel Mount for Medical, ITE and Home Appliances

Output Voltage: 24V, 48V
Output Power: 750W

PAGE 63

PJL
Open Frame for Lighting Applications

Output Voltage: 48V
Output Power: 600W

PAGE 77

ADT
Meet DoE Level VI and CoC Tier 2 Energy Efficiency

Output Voltage: 19V, 24V
Output Power: 120W, 150W

PAGES 85, 87

NEW SERIES INTRODUCTION

LYTE II

12V, 24V, 48V Output

Complete Output Voltage 12V, 24V, 48V

The LYTE II series has 12V, 24V and 48V output voltage with 120W and 240W output power.

Universal AC Input Voltage Range

The universal AC input voltage range feature makes LYTE II power supplies useful for a variety of applications.

-30°C to +70°C Operating Temperature Range

The LYTE II series power supplies are able to cold start at -40°C and operate at -30°C to +70°C, meaning they can withstand extremely harsh environments.

< 0.3W No Load Power Consumption*

Minimum < 0.3W no load power consumption prevents energy wastage.

Compact Design and High Power Density*

The new model is 30% smaller and offers a high power density of 4.14W / inch³.

Conforms with Complete Certification*

The LYTE II series conforms to IEC 60950-1, IEC/EN/UL 62368-1, IEC/EN 61010-1 & IEC/EN 61010-2-201 certification, and multinational standards.

Compliance with SEMI F47 @ 200Vac

SEMI F47 certification makes the LYTE II series ideal for applications in the semiconductor industry.

Meets DOE VI Standards*

Meets DOE VI standards for its high power efficiency.

* Support 120W/240W Model

PRODUCT SELECTION GUIDE

Industrial Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Phase			PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Page
			1	2	3						
DIN Rail Power Supply	CliQ • Terminal block • Power Boost up to 3s (except DRP-24V48W1AZ)	DRP012V015W1A☐	●				12V	1.25A	15W	85-264Vac (DC input range 120-375Vdc)	19
		DRP012V030W1A☐	●					2.5A	30W		
		DRP012V060W1AA	●					5.0A	60W		
		DRP012V100W1AA	●					8.33A	100W		
		DRP-24V48W1AZ	●				24V	2.0A	48W	85-264Vac (DC input range 120-375Vdc)	20
		DRP024V060W1AZ	●					2.5A	60W		
		DRP024V060W1AA	●					2.5A	60W		
		DRP024V120W1AA	●			●		5.0A	120W		
		DRP024V240W1AA	●			●		10.0A	240W		
		DRP024V480W1AA	●			●		20.0A	480W		
	CliQ II • IP20 connector • Power Boost up to 5s	DRP024V060W1B☐	●				24V	2.5A	60W	85-264Vac (DC input range 120-375Vdc)	21
		DRP024V120W1B☐	●					5.0A	120W		
		DRP024V240W1B☐	●			●		10.0A	240W		
		DRP024V480W1B☐	●			●		20.0A	480W		
		DRP024V060W1N☐	●					2.5A	60W	85-264Vac (DC input range 120-375Vdc)	22
		DRP-24V100W1NN	●			●		3.8A	91.2W		
		DRP-24V120W2BN	●	●				5.0A	120W	2 × 180-550Vac or 180-305Vac (Single Phase) (DC input range 254-780Vdc)	23
		DRP-24V240W2BN	●	●		●		10.0A	240W		
		DRP024V060W3B☐		●	●			2.5A	60W	3 × 320-600Vac or 2 × 360-600Vac (DC input range 450-800Vdc) For 960W: 3 × 320-600Vac or 2 × 380-600Vac (DC input range 450-800Vdc)	24
		DRP024V120W3B☐		●	●			5.0A	120W		
		DRP024V240W3B☐		●	●			10.0A	240W		
		DRP024V480W3B☐		●	●	●		20.0A	480W		
		DRP024V960W3BN		●	●	●		40.0A	960W		
		DRP048V060W1B☐	●				48V	1.25A	60W	85-264Vac (DC input range 120-375Vdc)	25
		DRP048V120W1B☐	●			●		2.5A	120W		
		DRP048V240W1B☐	●			●		5.0A	240W		
		DRP048V480W1B☐	●			●		10.0A	480W		
	CliQ III • Slim design with high power density • Power Boost up to 5s	DRP-24V120W1CAN	●			●	24V	5.0A	120W	88-264Vac	26
		DRP-24V120W1CBN	●			●		5.0A	120W	88-264Vac (DC input range 88-375Vdc)	
		DRP-24V240W1CAN	●			●		10.0A	240W	88-264Vac	
		DRP-24V240W1CBN	●			●		10.0A	240W	88-264Vac (DC input range 88-375Vdc)	
		DRP-24V480W1CAN	●			●		20.0A	480W	88-264Vac	
		DRP-24V480W1CBN	●			●		20.0A	480W	88-264Vac (DC input range 88-375Vdc)	

* DC input is certified for selected models

DIN Rail Power Supply Model Numbering

DR	P	XXXV	XXXW	☐	☐	☐
DIN Rail	**Product Type** P - Power Supply	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase 2 - Two Phase 3 - Three Phase	A - CliQ Series B - CliQ II Series N - NEC Class 2	A - Metal case, with Class I, Div 2 and ATEX approvals N - Metal case, without Class I, Div 2 and ATEX approvals Y - Plastic case, with Class I, Div 2 and ATEX approvals Z - Plastic case, without Class I, Div 2 and ATEX approvals

DR	P –	XXV	XXXW	1	C	☐	N
DIN Rail	**Product Type** P - Power Supply	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	C - CliQ III Series	**Input Voltage** A - AC Input B - AC & DC Input	N - Metal case, without Class I, Div 2 and ATEX approvals

Industrial Power Supplies

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Product Type	Series	Model Name	Phase			PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Page
			1	2	3						
DIN Rail Power Supply	CliQ M • Slim design with high power density • Advanced Power Boost • Maritime approvals	DRM-24V80W1PN	●			●	24V	3.4A	81.6W	85-276Vac (DC input range 88-375Vdc)	27
		DRM-24V120W1PN	●			●		5.0A	120W	85-264Vac (DC input range 88-375Vdc)	
		DRM-24V240W1PN	●			●		10.0A	240W	85-276Vac (DC input range 88-375Vdc)	
		DRM-24V480W1PN	●			●		20.0A	480W		
		DRM-24V960W1PN	●			●		40.0A	960W	85-264Vac	
		DRM-24V480W1SN	●			●		20.0A	480W	85-276Vac (DC input range 88-375Vdc)	28
		DRM-24V480W3PN		●	●	●		20.0A	480W	3 × 320-600Vac or 2 × 380-600Vac	29
		DRM-24V960W3PN		●	●	●		40.0A	960W		
	CliQ VA • Smart monitoring function • Advanced Power Boost	DRV-24V120W1PN	●			●	24V	5.0A	120W	85-264Vac (DC input range 88-375Vdc)	30
		DRV-24V240W1PN	●			●		10.0A	240W	85-276Vac (DC input range 88-375Vdc)	
		DRV-24V480W1PN	●			●		20.0A	480W		
	LYTE • Competitively priced • Built-in constant current circuit	DRL-12V75W1AZ	●				12V	6.25A	75W	85-264Vac	31
		DRL-24V75W1AZ	●				24V	3.125A	75W		
		DRL-24V480W1A☐	●			●		20.0A	480W	85-264Vac (DC input range 120-375Vdc)	
		DRL-48V75W1AZ	●				48V	1.57A	75.36W	85-264Vac	
	LYTE II • Extreme slim width • Reduced no-load power consumption • Wide operating temperature	DRL-12V120W1EN	●				12V	10.0A	120W	90-264Vac	32
		DRL-12V240W1EN	●			●		20.0A	240W		
		DRL-24V120W1EN☐	●				24V	5.0A	120W	90-264Vac	33
		DRL-24V240W1EN☐	●			●		10.0A	240W		
		DRL-48V120W1EN	●				48V	2.5A	120W	90-264Vac	34
		DRL-48V240W1EN	●			●		5.0A	240W		

* DC input is certified for selected models

DIN Rail Power Supply Model Numbering

DR	M –	XXV	XXXW	☐	☐	N
DIN Rail	**Product Series** M - CliQ M Series	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase 3 - Three Phase	P - Advanced Power Boost (APB) S - SIL 3	N - Metal case, without Class I, Div 2 and ATEX approvals

DR	V –	XXV	XXXW	1	P	N
DIN Rail	**Product Series** V - CliQ VA Series	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	P - Advanced Power Boost (APB)	N - Metal case, without Class I, Div 2 and ATEX approvals

DR	L –	XXV	XXXW	1	A	☐
DIN Rail	**Product Type** L - LYTE Family	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	A - LYTE Series with Standard Bracket	A - Metal case without DC OK Relay Contact S - Metal case with DC OK Relay Contact Z - Plastic case without DC OK Relay Contact

DR	L –	XXV	XXXW	1	E	N	☐
DIN Rail	**Product Type** L - LYTE Family	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	E - LYTE II Series with Slim Design	N - No DC OK Relay Contact	Blank - No coating A - With coating [1]

1) 24V model only

PRODUCT SELECTION GUIDE

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Product Type	Series	Model Name	Phase 1	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Page
DIN Rail Power Supply	CHROME • Compact • Class II double isolation • NEC Class 2	DRC-5V10W1A☐	●		5V	1.5A	7.5W	90-264Vac	35
		DRC-12V10W1A☐	●		12V	0.83A	10W		
		DRC-12V30W1A☐	●			2.1A	25.2W		
		DRC-12V60W1A☐	●			4.5A	54W		
		DRC-12V60W1CZ	●			4.5A	54W	90-264Vac (DC input range 125-375Vdc)	
		DRC-12V100W1AZ	●			6.0A	72W	90-264Vac	
		DRC-24V10W1A☐	●		24V	0.42A	10W	90-264Vac	36
		DRC-24V10W1HZ	●			0.42A	10W		
		DRC-24V30W1A☐	●			1.25A	30W		
		DRC-24V60W1A☐	●			2.5A	60W		
		DRC-24V100W1A☐	●			3.8A	91.2W	90-264Vac (DC input range 125-375Vdc)	
	SYNC • Compact • NEC Class 2 • Competitively priced	DRS-5V30W1NZ	●		5V	3.0A	15W	85-264Vac (DC input range 120-375Vdc)	37
		DRS-5V50W1A☐	●			6.0A	30W		
		DRS-5V50W1N☐	●			5.0A	25W		
		DRS-12V50W1N☐	●		12V	4.0A	48W	85-264Vac	
		DRS-24V30W1AZ	●		24V	1.25A	30W	85-264Vac (DC input range 120-375Vdc)	38
		DRS-24V30W1NZ	●			1.25A	30W		
		DRS-24V50W1N☐	●			2.1A	50W		
		DRS-24V100W1A☐	●	●		4.0A	96W		
		DRS-24V100W1N☐	●	●		3.8A	91.2W		

* DC input is certified for selected models

DIN Rail Power Supply Model Numbering

DR	C –	XXV	XXXW	1	☐	☐
DIN Rail	**Product Type** C - Isolation Class II Power Supply	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	A - No PFC C - AC & DC Input, No PFC H - Household Approval	Z - Black plastic case G - Grey plastic case C - Black plastic case, with conformal coating [1)]

1) Options for DRC-12V60W1A☐, DRC-24V60W1A☐ and DRC-24V100W1A☐ only

DR	S –	XXV	XXXW	1	☐	☐
DIN Rail	**Product Series** S - Sync Series	**Output Voltage**	**Output Power**	**Phase Input** 1 - Single Phase	A - Non NEC Class 2 N - NEC Class 2	Z - Without DC OK Relay Contact R - With DC OK Relay Contact

Product Type	Series	Model Name	Phase 1	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range	Page
Panel Mount Power Supply	PMT2 • IEC 60335, IEC 61558 approvals • Low profile 30mm height	PMT-12V35W2BA☐	●		12V	3.0A	36W	90-264Vac	41
		PMT-12V50W2BA☐	●			4.2A	50.4W		
		PMT-12V75W2BA☐	●			6.0A	72W		
		PMT-12V100W2BA☐	●			8.5A	102W		
		PMT-12V150W2BA☐	●			12.5A	150W	90-132Vac, 180-264Vac (Selectable by Switch)	42
		PMT-12V150W2CA☐	●			12.5A	150W	90-264Vac	
		PMT-12V200W2BM☐	●			17.0A	204W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-12V200W2BR☐	●			17.0A	204W		
		PMT-12V350W2BM☐	●			29.0A	348W		
		PMT-12V350W2BR☐	●			29.0A	348W		
		PMT-15V35W2BA	●		15V	2.4A	36W	90-264Vac	43
		PMT-15V50W2BA	●			3.4A	51W		
		PMT-15V75W2BA	●			5.0A	75W		
		PMT-15V100W2BA	●			7.0A	105W		
		PMT-15V150W2BA	●			10.0A	150W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-15V150W2CA	●			10.0A	150W	90-264Vac	

Industrial Power Supplies

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Product Type	Series	Model Name	Phase 1	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range	Page
Panel Mount Power Supply	PMT2 • IEC 60335, IEC 61558 approvals • Low profile 30mm height	PMT-24V35W2BA☐	●		24V	1.5A	36W	90-264Vac	44
		PMT-24V50W2BA☐	●			2.2A	52.8W		
		PMT-24V75W2BA☐	●			3.2A	76.8W		
		PMT-24V100W2BA☐	●			4.5A	108W		
		PMT-24V150W2BA☐	●			6.25A	150W	90-132Vac, 180-264Vac (Selectable by Switch)	45
		PMT-24V150W2CA☐	●			6.25A	150W	90-264Vac	
		PMT-24V200W2BM☐	●			8.8A	211.2W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-24V200W2BR☐	●			8.8A	211.2W		
		PMT-24V350W2BM☐	●			14.6A	350.4W		
		PMT-24V350W2BR☐	●			14.6A	350.4W		
		PMT-30V35W2BA	●		30V	1.2A	36W	90-264Vac	46
		PMT-30V50W2BA	●			1.7A	51W		
		PMT-30V75W2BA	●			2.5A	75W		
		PMT-30V100W2BA	●			3.6A	108W		
		PMT-30V150W2BA	●			5.0A	150W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-30V150W2CA	●			5.0A	150W	90-264Vac	
		PMT-36V35W2BA	●		36V	1.0A	36W	90-264Vac	47
		PMT-36V50W2BA	●			1.45A	52.2W		
		PMT-36V75W2BA	●			2.1A	75.6W		
		PMT-36V100W2BA	●			3.0A	108W		
		PMT-36V150W2BA	●			4.3A	154.8W	90-132Vac, 180-264Vac (Selectable by Switch)	48
		PMT-36V150W2CA	●			4.3A	154.8W	90-264Vac	
		PMT-36V200W2BM	●			5.9A	212.4W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-36V200W2BR	●			5.9A	212.4W		
		PMT-36V350W2BM	●			9.7A	349.2W		
		PMT-36V350W2BR	●			9.7A	349.2W		
		PMT-48V35W2BA	●		48V	0.8A	38.4W	90-264Vac	49
		PMT-48V50W2BA	●			1.1A	52.8W		
		PMT-48V75W2BA	●			1.6A	76.8A		
		PMT-48V100W2BA	●			2.3A	110.4W		
		PMT-48V150W2BA	●			3.3A	158.4W	90-132Vac, 180-264Vac (Selectable by Switch)	50
		PMT-48V150W2CA	●			3.3A	158.4W	90-264Vac	
		PMT-48V200W2BM	●			4.4A	211.2W	90-132Vac, 180-264Vac (Selectable by Switch)	
		PMT-48V200W2BR	●			4.4A	211.2W		
		PMT-48V350W2BM	●			7.3A	350.4W		
		PMT-48V350W2BR	●			7.3A	350.4W		
		PMT-D1V75W2☐A	●		5V/12V	5.0A/4.0A	73W	90-264Vac	51
		PMT-D2V75W2☐A	●		5V/24V	5.0A/2.1A	75.4W		

Panel Mount Power Supply Model Numbering

							CC Code
PM	**T –**	**XXV**	**XXXW**	**2**	**☐**	**☐**	**☐**
Panel Mount	**Product Type** T - Enclosed	**Output Voltage**	**Output Power**	Single Phase with Low Profile	**Family Code** For 35-100W B - No PFC, universal input voltage range For 150-350W B - No PFC, input voltage selectable by switch C - No PFC, universal input voltage range	**Connector Type** Terminal Block A - With TUV, UL, CE, CCC, KC, EAC M - With UL, EAC R - With TUV, UL, CE, EAC	Blank - Without connector cover B - With conformal coating [1)] C - With connector cover and conformal coating [1)]

PM	**T –**	**XXV**	**XXXW**	**2**	**☐**	**A**
Panel Mount	**Product Type** T - Enclosed	**Output Voltage** Dual Output D1 - 5V / 12V D2 - 5V / 24V	**Output Power**	Single Phase with Low Profile	**Family Code** B - No PFC, Non-Isolated C - No PFC, Isolated	**Connector Type** A - Terminal Block

1) Options for 12V and 24V models only

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Industrial Power Supplies

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Product Type	Series	Model Name	Phase 1	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range*	Page
Panel Mount Power Supply	PMC • Universal AC input voltage	PMC-05V015W1AA	●		5V	3.0A	15W	85-264Vac (DC input range 125-375Vdc)	52
		PMC-05V035W1A☐	●			7.0A	35W		
		PMC-05V050W1AA	●			10.0A	50W		
		PMC-12V035W1A☐	●		12V	3.0A	35W	85-264Vac (DC input range 125-375Vdc)	53
		PMC-12V050W1A☐	●			4.17A	50W		
		PMC-12V060W1NA	●			5.0A	60W		
		PMC-12V100W1A☐	●			8.34A	100W		
		PMC-12V150W1B☐	●	●		12.5A	150W	85-264Vac (DC input range 125-375Vdc)	54
		PMC-12V600W1BA	●	●		50.0A	600W	85-264Vac (DC input range 120-370Vdc)	
		PMC-24V035W1A☐	●		24V	1.46A	35W	85-264Vac (DC input range 125-375Vdc)	55
		PMC-24V050W1A☐	●			2.1A	50W		
		PMC-24V075W1A☐	●			3.12A	75W		
		PMC-24V100W1A☐	●			4.17A	100W		
		PMC-24V150W1A☐	●			6.25A	150W		
		PMC-24V150W2AA	●			6.25A	150W	180-264Vac (DC input range 220-375Vdc)	56
		PMC-24V150W1B☐	●	●		6.25A	150W	85-264Vac (DC input range 125-375Vdc)	
		PMC-24V300W1BA	●	●		12.5A	300W		
		PMC-24V600W1BA	●	●		25.0A	600W	85-264Vac (DC input range 120-370Vdc)	57
		PMC-24V600W1RW	●	●		25.0A	600W	85-264Vac	
		PMC-DSPV100W1A	●		24V/5V	2.7A/7.0A	100W	85-264Vac (DC input range 125-375Vdc)	58
		PMC-48V150W1BA	●	●	48V	3.125A	150W	85-264Vac (DC input range 125-375Vdc)	
		PMC-48V600W1BA	●	●		12.5A	600W	85-264Vac (DC input range 120-370Vdc)	
	PMF • Remote ON/OFF • Built-in PFC	PMF-4V320WC☐☐	●	●	4.2V	55.0A	231W	85-264Vac	59
		PMF-5V320WC☐☐	●	●	5V	55.0A	275W		
		PMF-24V240WC☐☐	●	●		10.0A	240W		
		PMF-24V320WC☐☐	●	●		13.3A	320W		

* DC input is certified for selected models

Panel Mount Power Supply Model Numbering

PM	C –	XXV	XXXW	☐	☐	☐
Panel Mount	Product Type C - Enclosed	Output Voltage	Output Power	Phase Input 1 - Single Phase, Wide Range Input Voltage 2 - Single Phase, High Line Input Voltage	A - No PFC B - With PFC N - NEC Class 2 R - With PFC, Remote ON/OFF, Remote Sense	Connector Type A - Terminal Block [3] J - IP20 Connector [1] L - Front Face [1] H - Harness [2] W - Front Face with conformal coating
PM	**C –**	**D**	**SPV**	**100W**	**1**	**A**
Panel Mount	Product Type C - Enclosed	Dual Output	Output Voltage S - 24V P - 5V	Output Power	Phase Input 1 - Single Phase	A - Delta Standard

1) Options
2) Options for PMC-12V100W1AH
3) For PMC-05V015W1AA and PMC-☐V600W1BA, the connector type is a Front Face connector.
For PMC-24V300W1BA, the connector type is an IP20 connector.

PM	F –	XXV	XXXW	C	☐	☐
Panel Mount	Product Series F - PFC Series	Output Voltage	Output Power	Package Type C - Enclosed	Connector Type G - Front Face A - Terminal Block [1]	Variable B - No Remote ON/OFF R - With Remote ON/OFF [1]

1) Options

Industrial Power Supplies

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Product Type	Series	Model Name	Phase 1	PFC	Output Voltage	Output Current	Output Power	Input Voltage Range	Page
Panel Mount Power Supply	PMR • Thickness < 1U • Built-in PFC	PMR-4V320WC□A	●	●	4.2V	60.0A	252W	88-264Vac	60
		PMR-4V320WDAA	●	●		60.0A	252W		
		PMR-4V320WDGA	●	●		60.0A	252W		
		PMR-4V320WDBA	●	●		60.0A	252W		
		PMR-4V320WDCA	●	●		60.0A	252W		
		PMR-5V320WC□A	●	●	5V	60.0A	300W	88-264Vac	61
		PMR-5V320WDAA	●	●		60.0A	300W		
		PMR-5V320WDGA	●	●		60.0A	300W		
		PMR-5V320WDBA	●	●		60.0A	300W		
		PMR-5V320WDCA	●	●		60.0A	300W		
	PMU • Power supply with integrated DC-UPS	PMU-13V155W□BA	●		13.8V	V1: 9.5A B+: 1.5A	151W	90-132Vac, 180-264Vac (Selectable by Switch)	62
		PMU-13V155W□CA	●				151W		
		PMU-27V155W□BA	●		27.6V	Enclosed V1: 4.0A, B+: 1.5A	151W		
		PMU-27V155W□CA	●			L Frame V1: 4.3A, B+: 1.2A	151W		
	MEB • Intelligent Fan Speed Control	MEB-500A24F AA	●	●	24V	21.0A	500W	90-264Vac	63
		MEB-750A24B AAA	●	●		31.25A	750W	85-264Vac	
		MEB-750A24T AAA	●	●		31.25A	750W		
		MEB-750A48B AAA	●	●	48V	15.63A	750W		
		MEB-750A48T AAA	●	●		15.63A	750W		
		MEB-1K2A24T ABA	●	●	24V	50.0A	1,200W	85-264Vac	64
		MEB-1K2A42T ABA	●	●	42V	28.5A	1,200W		
		MEB-1K2A48T ABA	●	●	48V	25.0A	1,200W		

Panel Mount Power Supply Model Numbering

PM	R –	XXV	XXXW	□	□	A
Panel Mount	Product Series R - Standard Rack Type Series (1U)	Output Voltage	Output Power	Package Type C - Enclosed with Fan D - Enclosed without Fan	Connector Type A - Terminal Block B - Terminal Block (Parallel Operation) 1) G - Front Face 2) C - Front Face (Parallel Operation) 1)	Variable A - With conformal coating

1) Options for Enclosed without Fan (PMR-□V320WDBA and PMR-□V320WDCA)
2) Options

PM	U –	XXV	XXXW	□	□	A
Panel Mount	Product Series U - With DC-UPS Function	Output Voltage	Output Power	Package Type C - Enclosed L - L Frame 1)	Signal B - Without Signal C - With Signal	Connector Type A - Terminal Block

1) Options

ME	B –	XXX	A	□	□	□□□
Delta Medical Power Supply	B - Enclosed	Max power wattage in the product series. May be lower at some conditions.	Family Code	Output Voltage	Input Connector Type	CC Code
		500 - 500W	A - Family A	24 - 24V	F - Front Face	AA - With Remote ON/OFF, with conformal coating
		750 - 750W		24 - 24V 48 - 48V	B - C14 T - US Terminal	AAA - With Remote ON/OFF, with conformal coating
		1K2 - 1,200W		24 - 24V 42 - 42V 48 - 48V	T - US Terminal	ABA - With Remote ON/OFF, with conformal coating

PRODUCT SELECTION GUIDE

Industrial Power Supplies

New products are frequently introduced. Please visit www.DeltaPSU.com for latest product updates.

Product Type	Series	Model Name	Phase	PFC	Output Voltage	Convection		Forced Air		Input Voltage Range	Page
			1			Output Current	Output Power	Output Current	Output Power		
Open Frame Power Supply	PJT • High efficiency • Small footprint	PJT-12V40WBA□	●		12V	3.33A	40W			90-264Vac	67
		PJT-12V65WBA□	●			5.0A	60W				
		PJT-12V100WBA□	●	●		8.33A	100W				
		PJT-12V100WBB□	●			6.67A	80W	8.33A	100W		
		PJT-15V40WBA□	●		15V	2.67A	40W			90-264Vac	68
		PJT-15V65WBA□	●			4.2A	63W				
		PJT-15V100WBA□	●	●		6.67A	100W				
		PJT-15V100WBB□	●			5.33A	80W	6.67A	100W		
		PJT-18V40WBA□	●		18V	2.22A	40W			90-264Vac	69
		PJT-18V65WBA□	●			3.61A	65W				
		PJT-18V100WBA□	●	●		5.55A	100W				
		PJT-18V100WBB□	●			4.44A	80W	5.55A	100W		
		PJT-24V40WBA□	●		24V	1.66A	40W			90-264Vac	70
		PJT-24V65WBA□	●			2.71A	65W				
		PJT-24V100WBA□	●	●		4.17A	100W				
		PJT-24V100WBB□	●			3.33A	80W	4.17A	100W		
		PJT-27V150WBNA	●	●	V1: 27V V_{SB}: 12V	V1: 5.55A V_{SB}: 0.5A	150W			85-264Vac	
	PJ • Built-in PFC • Versatile configurations • Conformal coating	PJ-12V15W□NA	●		12V	1.3A	15.6W			85-264Vac	71
		PJ-12V30W□NA	●			2.5A	30W				
		PJ-12V50W□NA	●	●		4.3A	51.6W				
		PJ-12V100W□□A	●	●		8.5A	102W				
		PJ-12V150W□□A	●	●		12.5A	150W				
		PJ-24V30W□NA	●		24V	1.25A	31.2W			85-264Vac	72
		PJ-24V50W□NA	●	●		2.1A	50.4W				
		PJ-24V100W□□A	●	●		4.3A	103.2W				
		PJ-24V150W□□A	●	●		6.3A	150W				
		PJ-5V15W□NA	●		5V	3.0A	15W			85-264Vac	73
		PJ-48V50W□NA	●	●	48V	1.1A	52.8W				
	PJB • Power Boost up to 10s • Conformal coating	PJB-24V100W□□A	●	●	24V	4.3A	103.2W			85-264Vac	74
		PJB-24V150W□□A	●	●		6.3A	151.2W				
		PJB-24V240W□□□	●	●		10.0A	240W				
		PJB-24V300W□□□	●	●		12.5A	300W				

Open Frame Power Supply Model Numbering

PJ	T –	XXV	XXXW	B	□	□
Open Frame	Product Series T - ITE Application Series	Output Voltage	Output Power	Package Type B - Open Frame	A - Family Code B - Family Code N - No Remote ON/OFF	Connector Type A - JST connector B - Molex connector 1) C - JWT connector 1)

1) Options

PJ –	XXV	XXXW	□	□	A
Open Frame	Output Voltage	Output Power	Package Type B - Open Frame L - L Frame C - Enclosed	Remote ON/OFF Function N - No Remote ON/OFF R - With Remote ON/OFF 1)	A - Delta Standard

1) Options for 100W and above

PJ	B –	XXV	XXXW	□	□	□
Open Frame	Product Series B - Power Boost Series	Output Voltage	Output Power	Package Type B - Open Frame L - L Frame C - Enclosed Green Mode 1) J - Open Frame H - L Frame G - Enclosed	Remote ON/OFF Function N - No Remote ON/OFF R - With Remote ON/OFF	Connector Type A - Harness J - IP20 2)

1) Green Mode is available for 150W only
2) For 240W and 300W only

Industrial Power Supplies

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Product Type	Series	Model Name	Phase	PFC	Output Voltage	Output Current	Convection	Forced Air	Input Voltage Range	Page
			1				Output Power			
Open Frame Power Supply	**PJH** • Household and ITE safety approvals	PJH-24V300WBB☐	●	●	V1: 24V V_{SB}: 5V	V1: 12.5A V_{SB}: 1.2A	240W	300W	90-264Vac	75
		PJH-24V300WBC☐	●	●	V1: 24V V_{SB}: 12V	V1: 12.5A V_{SB}: 0.5A	240W	300W		
		PJH-36V300WBB☐	●	●	V1: 36V V_{SB}: 5V	V1: 8.3A V_{SB}: 1.2A	240W	300W		
		PJH-36V300WBC☐	●	●	V1: 36V V_{SB}: 12V	V1: 8.3A V_{SB}: 0.5A	240W	300W		
	PJU • Power supply with integrated DC-UPS • Compact size	PJU-13V60W☐A☐	●		V1: 13.8V B+: 13.6V	V1: 3.9A B+: 0.4A	60W		90-264Vac	76
		PJU-13V60W☐B☐	●			V1: 3.9A B+: 0.4A	60W			
		PJU-27V60W☐A☐	●		V1: 27.6V B+: 12.4V	V1: 1.75A B+: 0.4A	60W			
		PJU-27V60W☐B☐	●			V1: 1.75A B+: 0.4A	60W			
	PJL • UL 8750, IEC/UL 60950-1, IEC/UL 62368-1 approvals • Low inrush current • LED lighting power solution	PJL-48V200WBAA	●	●	48V	4.17A	150W	200W	85-305Vac	77
		PJL-48V400WBAA	●	●		8.33A	200W	400W		
		PJL-48V600WLAA	●	●		12.5A	300W	600W		

Open Frame Power Supply Model Numbering

PJ	H –	XXV	XXXW	B	☐	☐
Open Frame	**Product Series** H - Household Series	**Output Voltage**	**Output Power**	**Package Type** B - Open Frame	**Voltage Standby** B - 5V [1] C - 12V	**Connector Type** A - JST connector B - Molex connector [1] C - JWT connector [1]

1) Options

PJ	U –	XXV	XXXW	☐	☐	☐
Open Frame	**Product Series** U - With DC-UPS Function	**Output Voltage**	**Output Power**	**Package Type** C - Enclosed L - L Frame [1] B - Open Frame [1]	**Signal** A - Without Signal [1] B - With Signal	**Connector Type** A - Terminal Block B - JST connector [1] C - Molex connector [1]

1) Options

PJ	L –	XXV	XXXW	☐	A	A
Open Frame	**Product Series** L - Lighting Application Series	**Output Voltage**	**Output Power**	**Package Type** B - Open Frame L - L Frame	A - Active PFC	A - TE connector

PRODUCT SELECTION GUIDE

Industrial Power Supplies

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Product Type	Series	Model Name	Output Voltage	Output Current	Input Current	Input Voltage Range	Page
Redundancy Module	**CliQ II**	DRR-20☐	22-60V	20.0A	(1+1 Redundancy) = Nominal 2 × 12.5A (N+1 Redundancy) = Nominal 2 × 10A	22-60Vdc	79
		DRR-40☐		40.0A	(1+1 Redundancy) = Nominal 2 × 25A (N+1 Redundancy) = Nominal 2 × 20A		
Buffer Module	**CliQ II**	DRB-24V020AB☐	24V	20.0A	Charging Mode: < 0.6A	22.8-28.8Vdc	80
		DRB-24V040ABN		40.0A	Charging Mode: < 0.6A		
DC-UPS Module	**CliQ II**	DRU-24V40ABN	24V	40.0A	Charging Mode: 2.0A ± 1.0A	24-28Vdc	81
	Chrome	DRU-24V10ACZ		10.0A	Charging Mode: 0.5A ± 0.1A	24-28Vdc	82

Redundancy Module Model Numbering

DR	R –	XX	☐
DIN Rail	**Product Type** R - Redundancy Module	**Output Current** 20 - 20A 40 - 40A	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2

DC-UPS Module and Buffer Module Model Numbering

DR	☐ –	24V	XXXA	☐	☐
DIN Rail	**Product Type** U - DC-UPS Module B - Buffer Module	**Output Voltage**	**Output Current**	B - CliQ II Series C - Chrome Series	A - Metal Case, with Class I, Div 2 N - Metal Case, without Class I, Div 2 Z - Plastic Case, without Class I, Div 2

Industrial Power Supplies

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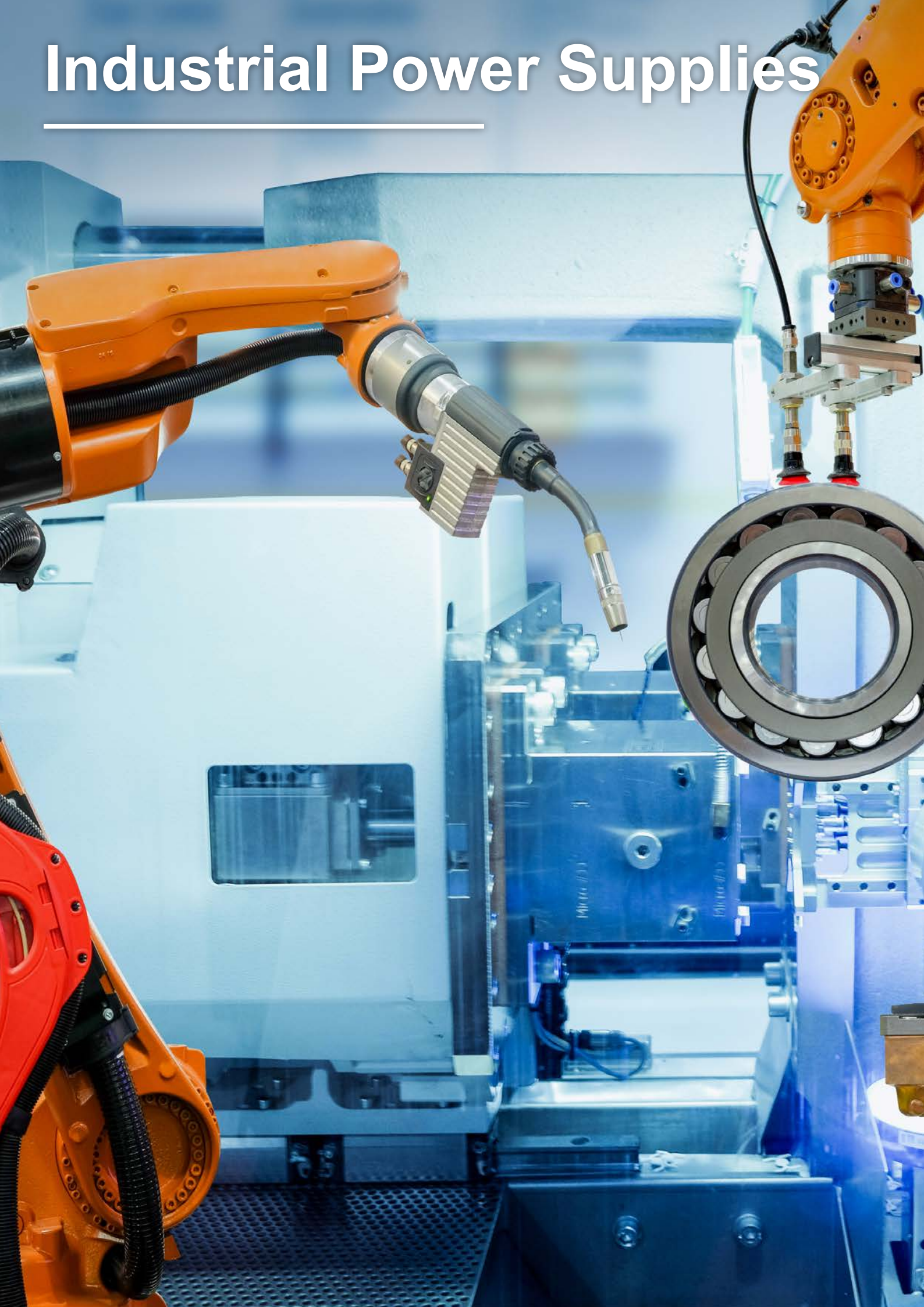
Product Type	Series	Model Name	CC Code	Output Voltage	Output Current	Output Power	Page
Adapter	**ADT** • Compact size • DoE Level VI and CoC Tier 2	ADT-060A12AA	B-A	12V	5.0A	60W	84
		ADT-060A12AB	B-A		5.0A	60W	
		ADT-150B12AA	J-A		12.5A	150W	
		ADT-060A15AA	B-A	15V	4.0A	60W	
		ADT-060A15AB	B-A		4.0A	60W	
		ADT-060A19AA	B-A	19V	3.2A	60.8W	85
		ADT-060A19AB	B-A		3.2A	60.8W	
		ADT-120A19AA	M-A		6.15A	120W	
		ADT-150A19AA	G-A		7.7A	150W	
		ADT-060A24AA	B-A	24V	2.5A	60W	86
		ADT-060A24AB	B-A		2.5A	60W	
		ADT-090A24AA	F-A		3.75A	90W	
		ADT-120A24AA	F-A		5.0A	120W	
		ADT-150A24AA	H-A		6.25A	150W	87
		ADT-150C24AC	K-A		6.25A	150W	

Adapter Model Numbering

						CC Code	
ADT –	**XXX**	**□**	**□**	**A**	**□**	**□-**	**A**
Delta AC-DC Adapter	**Output Power** 060 - 60W 090 - 90W 120 - 120W 150 - 150W	**Family Code** A B C	**Output Voltage (Single Output)** 12 - 12V 15 - 15V 19 - 19V 24 - 24V	**Package Type** A - Desktop Adapter	**Input Connector Type** A - C6 B - C8 C - C14	**Output Connector** B - Tuning fork, 5.5 × 2.1 × 10 mm, 180° F - Tuning fork, 5.5 × 2.5 × 11 mm, 90° G - Barrel, 6 × 3.5 × 11.5 mm, 90° H - Tuning fork, 5.5 × 2.5 × 11 mm, 90° J - Barrel, 7.4 × 5.1 × 11 mm, 90° K - 4 pin DIN, 180° Lockable M - Tuning fork, 5.5 × 1.7 × 11 mm, 90°	A - Delta Standard

Industrial Power Supplies



PRODUCT OVERVIEW

Delta standard industrial power supplies comprise of DIN rail, panel mount and open frame types. With over 40 years of experience in power technologies, Delta delivers an extensive range of industrial power supplies that meet IEC 60950-1, IEC 62368-1, IEC 61347-2-13, UL 8750, IEC 60335-1, IEC 61558-1, IEC 61558-2-16 and many other more standards.

DIN Rail

A wide range of DIN rail power supplies offering start-up at -40°C, Advanced Power Boost (CliQ M & CliQ VA), smart monitoring function (CliQ VA), ultra slim design (LYTE II) for demanding applications.

Panel Mount

The latest PMT2 series ultra slim design at competitive prices for general industrial applications. MEB series offer a wide range of high power models with industrial and medical certifications.

Open Frame

PJ series open frame power supplies offer wide range of output voltages with versatile configuration options. The latest PJL series comes with lighting approvals such as UL 8750 and IEC 61347-2-13.

Modules

The DIN rail modules are useful accessories as part of the complete power management solution. They include DC-UPS, buffer and redundancy modules which are designed to work seamlessly with Delta DIN rail power supplies.

Adapter

The ADT adapter series offers efficiency up to 89% with extreme low no-load consumption below 0.15W. These adapters are also meet DoE Level VI and CoC Tier 2 efficiency standards.

INDUSTRIAL POWER SUPPLIES

DIN Rail Power Supply

CliQ™

Process Automation | Factory Automation | Machine Automation | Renewable Energy

- Power Boost of 150% for 3 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models
- Conformal coating on PCBAs to protect against common dust and chemical pollutants (except DRP-24V48W1AZ and DRP024V060W1AZ)
- Certified according to IEC/EN/UL 62368-1

CliQ II

Process Automation | Factory Automation | Machine Automation | Renewable Energy

- Power Boost of 150% for 5 seconds (24V/480W: 200% for 2 seconds)
- Full corrosion resistant aluminium casing (except DRP024V060W1N☐)
- Cold start -40°C for selected models
- Hazardous Locations approval to ATEX and Class I, Div 2 for selected models
- Certified according to IEC/EN/UL 62368-1

CliQ III

Building Automation | Process Automation | Factory Automation | Machine Automation | Renewable Energy

- Built-in constant current circuit for charging application
- Power Boost of 150% for 5 seconds
- SEMI F47 compliance at 120Vac
- Cold start at -40°C
- Built-in DC OK relay contact
- Certified according to IEC/EN/UL 62368-1

CliQ M

Process Automation | Factory Automation | Machine Automation | Renewable Energy

- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Built-in active PFC with up to 94% efficiency
- Certified according to IEC/EN/UL 62368-1

CliQ VA

Process Automation | Factory Automation | Machine Automation | Renewable Energy

- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Power Boost of 150% up to 7 seconds
- Advanced Power Boost (APB)
- Built-in active PFC with up to 94% efficiency
- Certified according to IEC/EN/UL 62368-1

LYTE

Building Automation | Process Automation | Factory Automation | Machine Automation

- Slim form factor
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (optional)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1

LYTE II

Building Automation | Process Automation | Factory Automation | Machine Automation

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

CHROME

Building Automation | Process Automation | Factory Automation | Machine Automation | Test & Measurement

- Class II Double Isolation (No earth connection is required)
- Power will not de-rate for the entire input voltage range
- NEC Class 2 and Limited Power Source (LPS) approvals (except 12V/100W)
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508
- Full power up to 55°C

sync

Building Automation | Process Automation | Factory Automation | Machine Automation | Test & Measurement

- Low earth leakage current < 0.5mA @ 264Vac
- Cold start at -40°C
- Full power from -10°C to 55°C operation
- NEC Class 2 / Limited Power Source (LPS) certified
- Built-in DC OK relay contact (optional)
- Certified according to IEC/EN/UL 62368-1

DIN Rail Power Supply 12V Output

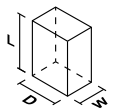
Features

- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s
- Full corrosion resistant aluminium casing for 12V/60W and 12V/100W
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Multiple wire connections to terminals allowed
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP012V015W1A□	DRP012V030W1A□	DRP012V060W1AA	DRP012V100W1AA
Output Voltage		12V	12V	12V	12V
Output Voltage Range		11-14V	11-14V	11-14V	11-14V
Output Current		0-1.25A	0-2.5A	0-5.0A	0-8.33A
Output Power		15W	30W	60W	100W
PARD (20MHz)		< 100mVpp			
Hold-up Time	115Vac	> 22ms	> 22ms	> 22ms	> 22ms
	230Vac	> 110ms	> 110ms	> 110ms	> 110ms
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]			
Input Frequency		47-63Hz			
Input Current	115Vac	< 0.37A	< 0.70A	< 1.35A	< 2.50A
	230Vac	< 0.22A	< 0.42A	< 0.80A	< 1.50A
Efficiency [2] at 100% Load	115Vac	> 84.0%	> 85.0%	> 86.0%	> 85.5%
	230Vac	> 83.0%			> 87.5%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 40A	< 50A	< 100A
	230Vac	< 65A	< 80A	< 100A	No Damage
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL					
Case Cover / Chassis		Plastic		Aluminium	
Dimensions (L × W × D)	mm	100 × 32 × 100.6	100 × 32 × 100.6	121 × 32 × 120	121 × 50 × 118.7
	inch	3.94 × 1.26 × 3.96	3.94 × 1.26 × 3.96	4.76 × 1.26 × 4.72	4.76 × 1.97 × 4.67
Unit Weight	kg	0.18	0.20	0.33	0.64
	lb	0.40	0.44	0.73	1.41
Cooling System		Convection			
MTBF [3]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-20°C to +80°C			
Storage Temperature		-25°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)			

Dimensions Reference



Notes
1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output

Features

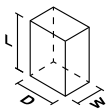
- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 3s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- SEMI F47 Certified for selected models
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants*
- Hazardous Locations approval to ATEX and Class I, Div 2*
- Certified according to IEC/EN/UL 62368-1

* Except DRP-24V48W1AZ and DRP024V060W1AZ

Specifications

OUTPUT		DRP-24V48W1AZ	DRP024V060W1AZ	DRP024V060W1AA	DRP024V120W1AA	DRP024V240W1AA	DRP024V480W1AA
Output Voltage		24V	24V	24V	24V	24V	24V
Output Voltage Range		22-26V	22-28V	22-28V	22-28V	24-28V	22-28V
Output Current		0-2.0A	0-2.5A	0-2.5A	0-5.0A	0-10.0A	0-20.0A
Output Power		48W	60W	60W	120W	240W	480W
PARD (20MHz)		< 480mVpp	< 240mVpp				
Hold-up Time	115Vac	> 10ms	> 20ms	> 20ms	> 35ms	> 20ms	> 20ms
	230Vac	> 60ms	> 125ms	> 125ms	> 70ms		
INPUT							
Phase Input		Single Phase					
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]					
Input Frequency		47-63Hz					
Input Current	115Vac	< 1.4A	< 1.1A	< 1.1A	< 1.4A	< 2.9A	< 5.7A
	230Vac	< 0.7A	< 0.7A	< 0.7A	< 0.8A	< 1.5A	< 2.8A
Efficiency [2] at 100% Load	115Vac	> 87.0%	> 86.0%	> 86.0%	> 86.0%	> 89.0%	> 85.0%
	230Vac		> 87.0%	> 87.0%	> 87.0%	> 91.0%	> 88.0%
Max Inrush Current (Cold Start)	115Vac	< 28A	< 40A	< 40A	< 80A	< 40A	< 50A
	230Vac	< 56A	< 80A	< 80A	< 150A	< 100A	< 150A
Power Factor	115Vac	Conform to EN 61000-3-2			> 0.98	> 0.96	> 0.97
	230Vac				> 0.87	> 0.90	> 0.95
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA	< 1mA	< 1.25mA
MECHANICAL							
Case Cover / Chassis		Plastic		Aluminium			
Dimensions (L × W × D)	mm	100 × 32 × 100.6	120.6 × 32 × 113	121 × 32 × 120	121 × 50 × 118.7	121 × 85 × 118.5	121 × 160 × 118.5
	inch	3.94 × 1.26 × 3.96	4.75 × 1.26 × 4.45	4.76 × 1.26 × 4.72	4.76 × 1.97 × 4.67	4.76 × 3.35 × 4.67	4.76 × 6.30 × 4.67
Unit Weight	kg	0.22	0.33	0.37	0.54	1.04	1.80
	lb	0.49	0.73	0.82	1.19	2.29	3.97
Cooling System		Convection					
MTBF [3]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT							
Operating Temperature [4]		-20°C to +70°C	-20°C to +80°C				
Storage Temperature		-25°C to +85°C					
Operating Humidity		5 to 95% RH (Non-Condensing)					
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)					

Dimensions Reference



Notes

1) All models are certified for DC input except DRP-24V48W1AZ which still fulfills the test conditions of this range. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

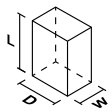
Features

- Power will not de-rate for the entire input voltage range
- High Efficiency > 90.0% @ 230Vac
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP024V060W1B☐	DRP024V120W1B☐	DRP024V240W1B☐	DRP024V480W1B☐
Output Voltage		24V	24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V	24-28V
Output Current		0-2.5A	0-5.0A	0-10.0A	0-20.0A
Output Power		60W	120W	240W	480W
PARD (20MHz)		< 150mVpp			
Hold-up Time	115Vac	> 20ms	> 20ms	> 20ms	> 20ms
	230Vac	> 125ms	> 115ms		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]			
Input Frequency		47-63Hz			
Input Current	115Vac	< 1.4A	< 2.2A	< 2.5A	< 5.0A
	230Vac	< 0.8A	< 1.1A	< 1.3A	< 3.0A
Efficiency [2] at 100% Load	115Vac	> 90.0%	> 89.0%	> 90.0%	> 91.0%
	230Vac		> 90.0%	> 92.0%	> 92.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 35A	< 35A	< 35A
	230Vac	< 35A			
Power Factor	115Vac	Conform to EN 61000-3-2		> 0.96	> 0.96
	230Vac			> 0.90	> 0.95
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 3mA
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × D)	mm	121 × 32 × 125	121 × 50 × 123.1	121 × 85 × 124.1	121 × 144 × 118.6
	inch	4.76 × 1.26 × 4.92	4.76 × 1.97 × 4.85	4.76 × 3.35 × 4.89	4.76 × 5.67 × 4.67
Unit Weight	kg	0.37	0.72	1.10	1.37
	lb	0.82	1.59	2.43	3.02
Cooling System		Convection			
MTBF [3]		> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-25°C to +80°C			-25°C to +75°C
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 2,500 m (0 to 8,200 ft)			

Dimensions Reference



Notes

1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V060W1B☐ is also certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output NEC Class 2

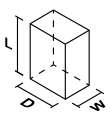
Features

- Power will not de-rate for the entire input voltage range
- UL 1310 safety approval
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRP024V060W1NY)
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP024V060W1N□	DRP-24V100W1NN
Output Voltage		24V	24V
Output Voltage Range		22-28V	22-24V
Output Current		0-2.5A	0-3.8A
Output Power		60W	91.2W
PARD (20MHz)		< 240mVpp	< 150mVpp
Hold-up Time	115Vac	> 20ms	> 20ms
	230Vac	> 125ms	> 30ms
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]	
Input Frequency		47-63Hz	
Input Current	115Vac	< 1.50A	< 1.00A
	230Vac	< 0.80A	< 0.53A
Efficiency [2] at 100% Load	115Vac	> 89.0%	> 88.0%
	230Vac		> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 40A	< 30A
	230Vac	< 80A	< 60A
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99
	230Vac		> 0.94
Leakage Current	240Vac	< 0.5mA	< 0.5mA
MECHANICAL			
Case Cover / Chassis		Plastic	Aluminium
Dimensions (L × W × D)	mm	120.6 × 32 × 119.3	124 × 40 × 124
	inch	4.75 × 1.26 × 4.70	4.88 × 1.57 × 4.88
Unit Weight	kg	0.33	0.60
	lb	0.73	1.32
Cooling System		Convection	
MTBF [3]		> 800,000 hrs	> 800,000 hrs
ENVIRONMENT			
Operating Temperature [4]		-25°C to +80°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 2,500 m (0 to 8,200 ft)	

Dimensions Reference



Notes

1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

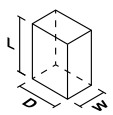
Features

- Designed for single phase input 180-305Vac (for L-N) or 2 of 3-Phase system 2 x 180-550Vac (for L-L) or 254-780Vdc
- Compact and corrosion resistant aluminium casing
- High Efficiency > 90.0%
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Wide operating temperature range from -30°C to +70°C
- Built-in DC OK contact
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP-24V120W2BN	DRP-24V240W2BN
Output Voltage		24V	24V
Output Voltage Range		24-28V	24-28V
Output Current		0-5.0A	0-10.0A
Output Power		120W	240W
PARD (20MHz)		< 150mVpp	
Hold-up Time	2 × 230Vac	> 10ms	> 18ms
	2 × 400Vac	> 50ms	> 30ms
INPUT			
Phase Input		Single Phase or Two Phase	
Input Voltage Range		2 × 180-550Vac or 180-305Vac (Single Phase) (DC input range 254-780Vdc) [1]	
Input Frequency		47-63Hz	
Input Current	2 × 230Vac	< 1.20A	< 2.00A
	2 × 400Vac	< 0.80A	< 1.00A
Efficiency [2] at 100% Load	2 × 400Vac	> 90.0%	> 90.0%
Max Inrush Current (Cold Start)	2 × 200Vac	< 50A	< 50A
	2 × 500Vac		
Power Factor	2 × 230Vac	Conform to EN 61000-3-2	> 0.84
	2 × 400Vac		
Leakage Current	500Vac	< 1mA	< 1.5mA
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L × W × D)	mm	124 × 40 × 117	124 × 60 × 117
	inch	4.88 × 1.57 × 4.61	4.88 × 2.36 × 4.61
Unit Weight	kg	0.62	0.81
	lb	1.37	1.79
Cooling System		Convection	
MTBF [3]		> 800,000 hrs	> 500,000 hrs
ENVIRONMENT			
Operating Temperature [4]		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		Industrial Application: 0 to 2,000 m (0 to 6,560 ft); ITE Application: 0 to 2,500 m (0 to 8,200 ft)	

Dimensions Reference



Notes

1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 2 × 200Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output

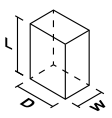
Features

- Power will not de-rate for the entire input voltage range
- Power Boost of 150% for 5s (480W: 200% for 2s)
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (except DRP024V960W3BN)
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP024V060W3B☐	DRP024V120W3B☐	DRP024V240W3B☐	DRP024V480W3B☐	DRP024V960W3BN
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V	24-28V	24-28V
Output Current		0-2.5A	0-5.0A	0-10.0A	0-20.0A	0-40.0A
Output Power		60W	120W	240W	480W	960W
PARD (20MHz)		< 150mVpp				< 240mVpp
Hold-up Time	3 × 400Vac	> 20ms	> 20ms	> 20ms	> 20ms	> 20ms
	3 × 500Vac	> 40ms	> 40ms	> 40ms		
INPUT						
Phase Input		Two Phase or Three Phase				
Input Voltage Range (Does not exceed 600Vac)		3 × 320-600Vac or 2 × 360-600Vac (DC input range 450-800Vdc) [1]				3 × 320-600Vac or 2 × 380-600Vac (DC input range 450-800Vdc) [1]
Input Frequency		47-63Hz				
Input Current	3 × 400Vac	< 0.30A	< 0.50A	< 0.75A	< 1.00A	< 1.70A
	3 × 500Vac	< 0.25A	< 0.40A	< 0.65A	< 0.75A	< 1.40A
Efficiency [2] at 100% Load	3 × 400Vac	> 86.0%	> 88.0%	> 91.0%	> 91.0%	> 92.0%
	3 × 500Vac					
Max Inrush Current (Cold Start) [3]	3 × 400Vac	< 30A	< 30A	< 40A	< 50A	< 60A
	3 × 500Vac					
Power Factor	3 × 400Vac	Conform to EN 61000-3-2			> 0.95	> 0.95
	3 × 500Vac				> 0.94	> 0.94
Leakage Current	3 × 500Vac	< 3.5mA	< 3.5mA	< 3.5mA	< 3.5mA	< 3.5mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × D)	mm	121 × 50 × 117.3	121 × 50 × 117.3	121 × 70 × 117.3	121 × 140 × 117.3	121 × 255 × 117.3
	inch	4.76 × 1.97 × 4.62	4.76 × 1.97 × 4.62	4.76 × 2.76 × 4.62	4.76 × 5.51 × 4.62	4.76 × 10.0 × 4.62
Unit Weight	kg	0.66	0.66	0.89	1.35	2.60
	lb	1.46	1.46	1.96	2.98	5.73
Cooling System		Convection				
MTBF [4]		> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs	> 300,000 hrs
ENVIRONMENT						
Operating Temperature [5]		-25°C to +80°C				-25°C to +65°C
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		Industrial Application: 0 to 2,000 m (0 to 6,560 ft); ITE Application: 0 to 2,500 m (0 to 8,200 ft)				

Dimensions Reference



Notes

1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While DRP024V480W3B☐ and DRP024V960W3B☐ are also certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) AC Source capability up to 3KVA.
4) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 3 × 400Vac, O/P: 100% load) for vertical mounting orientation.
5) Refer power de-rating in the product datasheet.
6) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DIN Rail Power Supply 48V Output

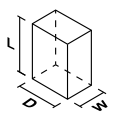
Features

- Power will not de-rate for the entire input voltage range
- High Efficiency > 91.0% @ 230Vac
- Power Boost of 150% for 5s
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Extreme low temperature cold start at -40°C
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP048V060W1B□	DRP048V120W1B□	DRP048V240W1B□	DRP048V480W1B□
Output Voltage		48V	48V	48V	48V
Output Voltage Range		48-56V	48-56V	48-56V	48-56V
Output Current		0-1.25A	0-2.5A	0-5.0A	0-10.0A
Output Power		60W	120W	240W	480W
PARD (20MHz)		< 200mVpp			
Hold-up Time	115Vac	> 20ms	> 20ms	> 20ms	> 20ms
	230Vac	> 125ms	> 50ms		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]			
Input Frequency		47-63Hz			
Input Current	115Vac	< 1.4A	< 2.2A	< 2.5A	< 5.0A
	230Vac	< 0.8A	< 1.1A	< 1.3A	< 3.0A
Efficiency [2] at 100% Load	115Vac	> 91.0%	> 90.0%	> 90.0%	> 91.0%
	230Vac	> 92.0%	> 91.0%	> 92.0%	> 93.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 35A	< 35A	< 35A
	230Vac	< 35A			
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99	> 0.96	> 0.96
	230Vac		> 0.93	> 0.90	> 0.90
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 3mA
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × D)	mm	121 × 32 × 125	121 × 50 × 123.1	121 × 85 × 124.1	121 × 144 × 118.6
	inch	4.76 × 1.26 × 4.92	4.76 × 1.97 × 4.85	4.76 × 3.35 × 4.86	4.76 × 5.67 × 4.67
Unit Weight	kg	0.38	0.72	0.96	1.37
	lb	0.84	1.59	2.12	3.02
Cooling System		Convection			
MTBF [3]		> 800,000 hrs	> 800,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-25°C to +80°C			-25°C to +75°C
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 2,500 m (0 to 8,200 ft)			

Dimensions Reference



Notes
1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

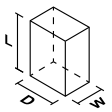
Features

- Built-in constant current circuit for charging application
- High efficiency of up to 94% at 230Vac
- Power Boost of 150% for 5s
- SEMI F47 compliance at 120Vac
- Extreme low temperature cold start at -40°C
- Built-in DC OK Contact and LED indicator for DC OK
- Conformal coating on PCBA to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRP-24V120W1C□N	DRP-24V240W1C□N	DRP-24V480W1C□N
Output Voltage		24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V
Output Current		0-5.0A	0-10.0A	0-20.0A
Output Power		120W	240W	480W
PARD (20MHz)		< 100mVpp		
Hold-up Time	115Vac	> 20ms	> 20ms	> 15ms
	230Vac			
INPUT				
Phase Input		Single Phase		
Input Voltage Range		DRP-24V□W1CAN: 88-264Vac DRP-24V□W1CBN: 88-264Vac (DC input range 88-375Vdc) [1]		
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.4A	< 2.6A	< 5.0A
	230Vac	< 0.7A	< 1.3A	< 2.5A
Efficiency [2] at 100% Load	115Vac	> 89.5%	> 91.0%	> 92.0%
	230Vac	> 91.0%	> 93.0%	> 93.0%
Max Inrush Current (Cold Start)	115Vac	< 35A	< 33A	< 40A
	230Vac	< 70A	< 65A	< 80A
Power Factor	115Vac	> 0.96	> 0.99	> 0.99
	230Vac	> 0.93	> 0.93	> 0.95
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.47mA	< 0.74mA	< 1.12mA
	IT	< 1.20mA	< 2.00mA	< 2.55mA
MECHANICAL				
Case Cover / Chassis		Aluminium		
Dimensions (L × W × D)	mm	124 × 40 × 117	124 × 60 × 117	124 × 82 × 127
	inch	4.88 × 1.57 × 4.61	4.88 × 2.36 × 4.61	4.88 × 3.23 × 5.00
Unit Weight	kg	0.58	0.84	1.20
	lb	1.28	1.85	2.65
Cooling System		Convection		
MTBF [3]		> 1,411,300 hrs	> 1,366,200 hrs	> 1,041,600 hrs
ENVIRONMENT				
Operating Temperature [4]		-25°C to +70°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		

Dimensions Reference



Notes

1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DIN Rail Power Supply 24V Output

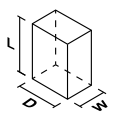
Features

- High power density in corrosion resistant aluminium casing
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Extreme low temperature cold start at -40°C
- Built-in DC OK contact and LED indicator for DC OK/ Over Load
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRM-24V80W1PN	DRM-24V120W1PN	DRM-24V240W1PN	DRM-24V480W1PN	DRM-24V960W1PN
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V	24-28V	24-28V
Output Current		3.4-3.0A	5.0-4.5A	10.0-9.0A	20.0-17.0A	40.0-34.3A
Output Power		81.6W	120W	240W	480W	960W
PARD (20MHz)		< 50mVpp			< 100mVpp	
Hold-up Time	120Vac	> 35ms	> 34ms	> 28ms	> 30ms	> 23ms
	230Vac	> 70ms	> 65ms			
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-276Vac (DC input range 88-375Vdc) [1]	85-264Vac (DC input range 88-375Vdc) [1]	85-276Vac (DC input range 88-375Vdc) [1]		85-264Vac
Input Frequency		47-63Hz				
Input Current	120Vac	< 0.90A	< 1.12A	< 2.26A	< 4.60A	< 10.10A
	230Vac	< 0.60A	< 0.62A	< 1.25A	< 2.50A	< 6.00A
Efficiency [2] at 100% Load	120Vac	> 90.1%	> 91.6%	> 92.6%	> 92.2%	> 93.6%
	230Vac	> 90.0%	> 92.7%	> 93.5%	> 93.4%	> 94.6%
Max Inrush Current (Cold Start)	120Vac	< 7A	< 15A	< 10A	< 13A	< 13A
	230Vac	< 13A				< 20A
Power Factor	120Vac	> 0.95	> 0.99	> 0.98	> 0.92	> 0.97
	230Vac	> 0.80	> 0.91	> 0.92	> 0.87	> 0.95
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.36mA	< 0.45mA	< 0.74mA	< 0.80mA	< 1.18mA
	IT	< 0.95mA	< 1.08mA	< 1.29mA	< 2.00mA	< 2.82mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × D)	mm	124 × 32 × 102	124 × 40 × 117	124 × 60 × 117	124 × 82 × 127	124 × 125 × 133.6
	inch	4.88 × 1.26 × 4.02	4.88 × 1.57 × 4.61	4.88 × 2.36 × 4.61	4.88 × 3.23 × 5.00	4.88 × 4.92 × 5.26
Unit Weight	kg	0.50	0.63	0.94	1.40	2.87
	lb	1.10	1.39	2.07	3.09	6.33
Cooling System		Convection				
MTBF [3]		> 2,000,000 hrs	> 1,800,000 hrs	> 1,400,000 hrs	> 778,800 hrs	> 513,800 hrs
ENVIRONMENT						
Operating Temperature [4]		-25°C to +70°C				
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft); IEC/EN 61558: 0 to 2,500 m (0 to 8,200 ft)				

Dimensions Reference



Notes

1) All models are certified for DC input. DC input is not applicable for DRM-24V960W1PN.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output SIL 3

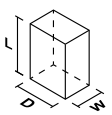
Features

- SIL3 approval for SIS Functional Safety
- Droop method current sharing
- Active Redundant circuit O-Ring MOSFET
- Power Boost of 150% up to 5s
- Advanced Power Boost (APB)
- Built-in DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

		COMING SOON
OUTPUT		**DRM-24V480W1SN**
Output Voltage		24V
Output Voltage Range		24-28V
Output Current		20.0-17.0A
Output Power		480W
PARD (20MHz)		< 120mVpp
Hold-up Time	120Vac	> 32ms
	230Vac	
INPUT		
Phase Input		Single Phase
Input Voltage Range		85-276Vac (DC input range 88-375Vdc) [1]
Input Frequency		47-63Hz
Input Current	120Vac	< 4.56A
	230Vac	< 2.48A
Efficiency [2] at 100% Load	120Vac	> 92.4%
	230Vac	> 93.4%
Max Inrush Current (Cold Start)	120Vac	< 13A
	230Vac	
Power Factor	120Vac	> 0.95
	230Vac	> 0.90
Leakage Current (264Vac, 50Hz)	TT/TN	< 1.10mA
	IT	< 1.20mA
MECHANICAL		
Case Cover / Chassis		Aluminium
Dimensions (L × W × D)	mm	124 × 82 × 127
	inch	4.88 × 3.23 × 5.00
Unit Weight	kg	1.40
	lb	3.09
Cooling System		Convection
MTBF [3]		> 864,600 hrs
ENVIRONMENT		
Operating Temperature [4]		-25°C to +70°C
Storage Temperature		-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

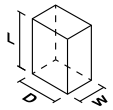
Features

- Built-in constant current circuit for charging application
- Full power from -25°C to +60°C @ 5,000m (16,400 ft.)
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DNV GL and ABS approvals for maritime applications
- Built-in DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRM-24V480W3PN	DRM-24V960W3PN
Output Voltage		24V	24V
Output Voltage Range		24-28V	24-28V
Output Current		20.0-17.1A	40.0-34.3A
Output Power		480W	960W
PARD (20MHz)		< 100mVpp	< 100mVpp
Hold-up Time	3 × 400Vac	> 18ms	> 20ms
	3 × 500Vac		
INPUT			
Phase Input		Two or Three Phase	
Input Voltage Range		3 × 320-575Vac or 2 × 380-575Vac (DC input range 450-800Vdc) [1]	
Input Frequency		47-63Hz	
Input Current	3 × 400Vac	< 0.79A	< 1.65A
	3 × 500Vac	< 0.68A	< 1.35A
Efficiency [2] at 100% Load	3 × 400Vac	> 95.0%	> 95.3%
	3 × 500Vac	> 94.8%	> 95.2%
Max Inrush Current (Cold Start)	3 × 400Vac	< 10A	< 14.2
	3 × 500Vac		< 17.0
Power Factor	3 × 400Vac	> 0.93	> 0.90
	3 × 500Vac	> 0.90	
Leakage Current (3 × 528Vac, 60Hz)	TT/TN	< 1.30mA	< 0.95mA
	IT		< 1.20mA
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L × W × D)	mm	124 × 65 × 127.1	124 × 110 × 128.6
	inch	4.88 × 2.56 × 5.00	4.88 × 4.33 × 5.06
Unit Weight	kg	1.18	2.30
	lb	2.60	5.07
Cooling System		Convection	
MTBF [3]		> 750,000 hrs	> 568,300 hrs
ENVIRONMENT			
Operating Temperature [4]		-25°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 3 x 400Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

24V Output

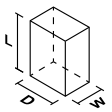
Features

- LCD display monitoring the output current / voltage / peak current and temperature
- Life time expectancy alarm signal and monitoring
- Built-in active PFC with up to 94% efficiency
- Power Boost of 150% up to 7s
- Advanced Power Boost (APB)
- DC OK Contact and LED indicator for DC OK/ Overload
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRV-24V120W1PN	DRV-24V240W1PN	DRV-24V480W1PN
Output Voltage		24V	24V	24V
Output Voltage Range		24-28V	24-28V	24-28V
Output Current		5.0-4.28A	10.0-8.57A	20.0-17.0A
Output Power		120W	240W	480W
PARD (20MHz)		< 50mVpp	< 50mVpp	< 100mVpp
Hold-up Time	120Vac	> 34ms	> 28ms	> 30ms
	230Vac	> 65ms		
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 88-375Vdc) [1]	85-276Vac (DC input range 88-375Vdc) [1]	
Input Frequency		47-63Hz		
Input Current	120Vac	< 1.13A	< 2.22A	< 4.60A
	230Vac	< 0.63A	< 1.21A	< 2.50A
Efficiency [2] at 100% Load	120Vac	> 90.3%	> 92.6%	> 92.2%
	230Vac	> 91.2%	> 93.5%	> 93.4%
Max Inrush Current (Cold Start)	120Vac	< 15A	< 10A	< 13A
	230Vac			
Power Factor	120Vac	> 0.99	> 0.98	> 0.92
	230Vac	> 0.91	> 0.92	> 0.87
Leakage Current (264Vac, 50Hz)	TT/TN	< 0.45mA	< 0.74mA	< 0.80mA
	IT	< 1.08mA	< 2.10mA	< 2.00mA
MECHANICAL				
Case Cover / Chassis		Aluminium & Plastic / Aluminium		
Dimensions (L × W × D)	mm	124 × 60 × 139	124 × 60 × 139	124 × 82 × 149
	inch	4.88 × 2.36 × 5.47	4.88 × 2.36 × 5.47	4.88 × 3.23 × 5.87
Unit Weight	kg	0.75	1.02	1.45
	lb	1.65	2.25	3.20
Cooling System		Convection		
MTBF [3]		> 1,444,000 hrs	> 1,268,000 hrs	> 751,100 hrs
ENVIRONMENT				
Operating Temperature [4]		-25°C to +70°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		

Dimensions Reference



Notes
1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DIN Rail Power Supply 12V, 24V, 48V Output

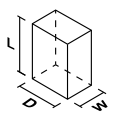
Features

- High power density
- Built-in constant current circuit for reactive loads
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Built-in DC OK relay contact (for DRL-24V480W1AS)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRL-12V75W1AZ	DRL-24V75W1AZ	DRL-24V480W1A☐	DRL-48V75W1AZ
Output Voltage		12V	24V	24V	48V
Output Voltage Range		10.8-13.2V	21.6-26V	22-28V	43.2-52.8V
Output Current		6.25A	3.125A	20.0A	1.57A
Output Power		75W	75W	480W	75.36W
PARD (20MHz)		< 120mVpp @ > -10°C to +70°C < 360mVpp @ ≤ -10°C to -30°C		< 120mVpp @ 0°C to +70°C, < 240mVpp @ < 0°C to -10°C, < 360mVpp @ < -10°C to -20°C	< 240mVpp @ > -10°C to +70°C < 480mVpp @ ≤ -10°C to -30°C
Hold-up Time	115Vac	16ms typ.	16ms typ.	10ms typ.	16ms typ.
	230Vac	60ms typ.	60ms typ.	16ms typ.	60ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac		85-264Vac (DC input range 120-375Vdc) [1]	85-264Vac
Input Frequency		47-63Hz			
Input Current	115Vac	1.4A typ.	1.4A typ.	5.4A typ.	1.4A typ.
	230Vac	0.9A typ.	0.9A typ.	2.7A typ.	0.9A typ.
Efficiency [2] at 100% Load	115Vac	-	-	85.0% typ.	-
	230Vac	87.5% typ.	89.0% typ.	88.0% typ.	90.0% typ.
Max Inrush Current (Cold Start)	115Vac	-	-	40A typ.	-
	230Vac	50A typ.	50A typ.	80A typ.	50A typ.
Power Factor	115Vac 230Vac	NA	NA	> 0.95	NA
Leakage Current	240Vac	< 1mA	< 1mA	-	< 1mA
	264Vac	-	-	< 1mA	-
MECHANICAL					
Case Cover / Chassis		Plastic		SGCC / Aluminium	Plastic
Dimensions (L × W × D)	mm	123.6 × 27 × 102	123.6 × 27 × 102	123.6 × 85.5 × 128.5	123.6 × 27 × 102
	inch	4.87 × 1.06 × 4.02	4.87 × 1.06 × 4.02	4.87 × 3.37 × 5.06	4.87 × 1.06 × 4.02
Unit Weight	kg	0.22	0.22	1.30	0.22
	lb	0.49	0.49	2.86	0.49
Cooling System		Convection			
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-20°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) DRL-24V480W1A☐ fulfills the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LYTE II

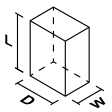
Features

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

Specifications

		NEW	NEW
OUTPUT		**DRL-12V120W1EN**	**DRL-12V240W1EN**
Output Voltage		12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V
Output Current		10.0A	20.0A
Output Power		120W	240W
PARD (20MHz)		< 120mVpp @ 0°C to +70°C < 360mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency [1] at 100% Load	230Vac	86.0% typ.	86.5% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L × W × D)	mm	123.6 × 30 × 117.2	123.6 × 40 × 117.2
	inch	4.87 × 1.18 × 4.61	4.87 × 1.57 × 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System		Convection	
MTBF [2]		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [3]		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LYTE II

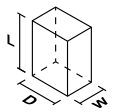
Features

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

Specifications

		NEW	NEW
OUTPUT		**DRL-24V120W1EN□**	**DRL-24V240W1EN□**
Output Voltage		24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V
Output Current		5.0A	10.0A
Output Power		120W	240W
PARD (20MHz)		< 150mVpp @ 0°C to +70°C < 450mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency [1] at 100% Load	230Vac	88.5% typ.	90.0% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L × W × D)	mm	123.6 × 30 × 117.2	123.6 × 40 × 117.2
	inch	4.87 × 1.18 × 4.61	4.87 × 1.57 × 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System		Convection	
MTBF [2]		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [3]		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

LYTE II

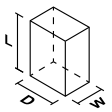
Features

- Ultra slim form factor
- Built-in constant current circuit for reactive loads
- Operating from -30°C to +70°C with -40°C cold start
- Compliance with DOE VI energy standard
- Compliance to SEMI F47 @ 200Vac
- Certified according to IEC/EN/UL 62368-1

Specifications

		NEW	NEW
OUTPUT		**DRL-48V120W1EN**	**DRL-48V240W1EN**
Output Voltage		48V	48V
Output Voltage Range		43.2-52.8V	43.2-52.8V
Output Current		2.5A	5.0A
Output Power		120W	240W
PARD (20MHz)		< 200mVpp @ 0°C to +70°C < 600mVpp @ -30°C to 0°C	
Hold-up Time	115Vac	10ms typ.	20ms typ.
	230Vac	16ms typ.	
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	2.1A typ.	2.5A typ.
	230Vac	1.3A typ.	1.3A typ.
Efficiency [1] at 100% Load	230Vac	89.5% typ.	90.5% typ.
Max Inrush Current (Cold Start)	230Vac	35A typ.	40A typ.
Power Factor	115Vac	NA	> 0.95
	230Vac		
Leakage Current	240Vac	< 0.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L × W × D)	mm	123.6 × 30 × 117.2	123.6 × 40 × 117.2
	inch	4.87 × 1.18 × 4.61	4.87 × 1.57 × 4.61
Unit Weight	kg	0.45	0.62
	lb	0.99	1.37
Cooling System		Convection	
MTBF [2]		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [3]		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DIN Rail Power Supply 5V, 12V Output

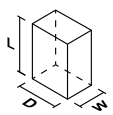
Features

- Class II, Double Isolation (No earth connection is required)
- Full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals (except DRC-12V100W1AZ)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508

Specifications

OUTPUT		DRC-5V10W1A□	DRC-12V10W1A□	DRC-12V30W1A□	DRC-12V60W1□□	DRC-12V100W1AZ
Output Voltage		5V	12V	12V	12V	12V
Output Voltage Range		5V (No potentiometer)	12V (No potentiometer)	11.5-14.5V	11.5-14.0V	12-14V
Output Current		0-1.5A	0-0.83A	0-2.1A	0-4.5A	0-6.0A
Output Power		7.5W	9.96W	25W	54W	72W
PARD (20MHz)		< 100mVpp				
Hold-up Time	115Vac	> 10ms	> 10ms	> 25ms	> 16ms	> 20ms
	230Vac	> 60ms	> 60ms	> 60ms	> 60ms	> 100ms
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-264Vac			90-264Vac (DC input range 125-375Vdc) [1]	90-264Vac
Input Frequency		47-63Hz				
Input Current	115Vac	< 0.3A	< 0.3A	< 0.8A	< 1.5A	< 1.5A
	230Vac	< 0.2A	< 0.2A	< 0.6A	< 0.8A	< 0.9A
Efficiency [2] at 100% Load	115Vac	> 77.0%	> 82.0%	> 85.0%	> 86.0%	> 86.0%
	230Vac	> 76.0%	> 80.5%			
Max Inrush Current (Cold Start)	115Vac	< 15A	< 15A	< 25A	< 30A	< 30A
	230Vac	< 30A	< 30A	< 50A	< 60A	< 65A
Power Factor		Conform to EN 61000-3-2				
Leakage Current	240Vac	< 0.25mA	< 0.25mA	< 0.25mA	< 0.25mA	-
	264Vac	-	-	-	-	< 0.25mA
MECHANICAL						
Case Cover / Chassis		Plastic				
Dimensions (L × W × D)	mm	91 × 18 × 55.6	91 × 18 × 55.6	91 × 53 × 55.6	91 × 71 × 55.6	91 × 89.9 × 55.6
	inch	3.58 × 0.71 × 2.19	3.58 × 0.71 × 2.19	3.58 × 2.09 × 2.19	3.58 × 2.80 × 2.19	3.58 × 3.54 × 2.19
Unit Weight	kg	0.06	0.06	0.14	0.22	0.36
	lb	0.13	0.13	0.31	0.49	0.79
Cooling System		Convection				
MTBF [3]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT						
Operating Temperature [4]		-25°C to +71°C				
Storage Temperature		-25°C to +85°C				-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)				

Dimensions Reference



Notes

1) DRC-12V60W1CZ is certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

CHROME

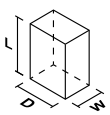
Features

- Class II, Double Isolation (No earth connection is required)
- Full power up to 55°C
- Power will not de-rate for the entire input voltage range
- Can be installed in compact cabinets
- NEC Class 2 and Limited Power Source (LPS) approvals
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and UL 508
- Household appliance approvals IEC/EN 60335-1 (DRC-24V10W1HZ)

Specifications

OUTPUT		DRC-24V10W1A□	DRC-24V10W1HZ	DRC-24V30W1A□	DRC-24V60W1A□	DRC-24V100W1A□
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		24V (No potentiometer)	24V (No potentiometer)	23.52-24.48V	24-28V	22-24V
Output Current		0-0.42A	0-0.42A	0-1.25A	0-2.5A	0-3.8A
Output Power		10W	10W	30W	60W	91.2W
PARD (20MHz)		< 100mVpp				
Hold-up Time	115Vac	> 10ms	> 10ms	> 25ms	> 16ms	> 10ms
	230Vac	> 60ms	> 60ms	> 60ms	> 60ms	> 60ms
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-264Vac				90-264Vac (DC input range 125-375Vdc) [1]
Input Frequency		47-63Hz				
Input Current	115Vac	< 0.3A	< 0.3A	< 0.8A	< 1.5A	< 2.2A
	230Vac	< 0.2A	< 0.2A	< 0.6A	< 1.0A	< 1.0A
Efficiency [2] at 100% Load	115Vac	> 80.0%	> 80.0%	> 87.0%	> 88.0%	> 87.0%
	230Vac					> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 15A	< 15A	< 25A	< 30A	< 30A
	230Vac	< 30A	< 30A	< 50A	< 60A	< 60A
Power Factor		Conform to EN 61000-3-2				
Leakage Current	240Vac	< 0.25mA	< 0.25mA	< 0.25mA	< 0.25mA	< 0.25mA
MECHANICAL						
Case Cover / Chassis		Plastic				
Dimensions (L × W × D)	mm	91 × 18 × 55.6	91 × 18 × 55.6	91 × 53 × 55.6	91 × 71 × 55.6	91 × 89.9 × 55.6
	inch	3.58 × 0.71 × 2.19	3.58 × 0.71 × 2.19	3.58 × 2.09 × 2.19	3.58 × 2.80 × 2.19	3.58 × 3.54 × 2.19
Unit Weight	kg	0.065	0.065	0.14	0.22	0.35
	lb	0.14	0.14	0.31	0.49	0.77
Cooling System		Convection				
MTBF [3]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT						
Operating Temperature [4]		-25°C to +71°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)				

Dimensions Reference



Notes

1) This model is certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DIN Rail Power Supply 5V, 12V Output

sync

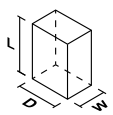
Features

- Ultra-compact size and galvanic isolation up to 3.0KVac between input to output and input to ground
- Full power from -10°C to +55°C operation
- Up to 89.0% efficiency
- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact option available
- Extreme low temperature cold start at -40°C
- NEC Class 2 / Limited Power Source (LPS) certified
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRS-5V30W1NZ	DRS-5V50W1A□	DRS-5V50W1N□	DRS-12V50W1N□
Output Voltage		5V	5V	5V	12V
Output Voltage Range		5-5.5V	5-5.5V	5-5.5V	12-15V
Output Current		0-3.0A	0-6.0A	0-5.0A	0-4.0A
Output Power		15W	30W	25W	48W
PARD (20MHz)		< 75mVpp @ > 0°C to 70°C, < 150mVpp @ 0°C to -20°C	< 50mVpp @ > 0°C to 70°C, < 100mVpp @ 0°C to -20°C		
Hold-up Time	115Vac	> 20ms	> 20ms	> 20ms	> 20ms
	230Vac	> 100ms	> 100ms	> 100ms	> 100ms
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 120-375Vdc) [1]			
Input Frequency		47-63Hz			
Input Current	115Vac	< 0.40A	< 0.60A	< 0.60A	< 0.90A
	230Vac	< 0.20A	< 0.40A	< 0.40A	< 0.55A
Efficiency [2] at 100% Load	115Vac	> 79.0%	> 82.0%	> 82.0%	> 88.0%
	230Vac				> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 30A	< 30A	< 25A
	230Vac	< 40A	< 60A	< 60A	< 50A
Power Factor		Conform to EN 61000-3-2			
Leakage Current	264Vac	< 0.5mA	< 0.75mA	< 0.75mA	< 0.5mA
MECHANICAL					
Case Cover / Chassis		Plastic			
Dimensions (L × W × D)	mm	75 × 21 × 89.5	75 × 30 × 89.5	75 × 30 × 89.5	75 × 30 × 89.5
	inch	2.95 × 0.83 × 3.52	2.95 × 1.18 × 3.52	2.95 × 1.18 × 3.52	2.95 × 1.18 × 3.52
Unit Weight	kg	0.11	0.16	0.16	0.18
	lb	0.24	0.35	0.35	0.40
Cooling System		Convection			
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-20°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)			

Dimensions Reference



Notes
1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

sync

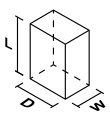
Features

- Ultra-compact size and galvanic isolation up to 3.0KVac between input to output and input to ground
- Full power from -10°C to +55°C operation
- Up to 90.0% efficiency
- Low earth leakage current < 0.5mA @ 264Vac
- Built-in DC OK relay contact option available
- Extreme low temperature cold start at -40°C
- NEC Class 2 / Limited Power Source (LPS) certified
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRS-24V30W1AZ	DRS-24V30W1NZ	DRS-24V50W1N□	DRS-24V100W1A□	DRS-24V100W1N□
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	24-28V	24-28V	24-28V	22-24V
Output Current		0-1.25A	0-1.25A	0-2.1A	0-4.0A	0-3.8A
Output Power		30W	30W	50W	96W	91.2W
PARD (20MHz)		< 150mVpp @ > 0°C to 70°C < 500mVpp @ 0°C to -20°C	< 75mVpp @ > 0°C to 70°C, < 150mVpp @ 0°C to -20°C	< 70mVpp @ > 0°C to 70°C, < 100mVpp @ 0°C to -20°C	< 50mVpp @ > 0°C to 70°C, < 100mVpp @ 0°C to -20°C	
Hold-up Time	115Vac	-	> 20ms	> 20ms	> 50ms	> 50ms
	230Vac	> 20ms	> 100ms	> 100ms		
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac	85-264Vac (DC input range 120-375Vdc) [1]			
Input Frequency		47-63Hz				
Input Current	115Vac	< 0.80A	< 0.55A	< 0.95A	< 1.20A	< 1.20A
	230Vac	< 0.40A	< 0.35A	< 0.55A	< 0.60A	< 0.60A
Efficiency [2] at 100% Load	115Vac	-	> 87.5%	> 89.0%	> 89.0%	> 89.0%
	230Vac	88.0% typ.	> 88.0%	> 90.0%		
Max Inrush Current (Cold Start)	115Vac	< 30A	< 20A	< 30A	< 25A	< 25A
	230Vac	< 60A	< 40A	< 50A	< 40A	< 40A
Power Factor	115Vac	Conform to EN 61000-3-2			> 0.97	> 0.97
	230Vac				> 0.90	> 0.90
Leakage Current	240Vac	< 0.5mA	-	-	-	-
	264Vac	-	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL						
Case Cover / Chassis		Plastic				
Dimensions (L × W × D)	mm	75 × 21 × 89.5	75 × 21 × 89.5	75 × 30 × 89.5	75 × 45 × 100	75 × 45 × 100
	inch	2.95 × 0.83 × 3.52	2.95 × 0.83 × 3.52	2.95 × 1.18 × 3.52	2.95 × 1.77 × 3.94	2.95 × 1.77 × 3.94
Unit Weight	kg	0.10	0.11	0.18	0.325	0.325
	lb	0.22	0.24	0.40	0.72	0.72
Cooling System		Convection				
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature [4]		-20°C to +70°C				
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 2,000 m (0 to 6,560 ft)				

Dimensions Reference



Notes

1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (DRS-24V30W1AZ: Confidence level: 90%, I/P: 100Vac, O/P: 100% load; other models: Confidence level: 90%, I/P: 115Vac & 230Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

INDUSTRIAL POWER SUPPLIES

Panel Mount Power Supply

PMT2

Building Automation | Process Automation | Factory Automation | Machine Automation | Test & Measurement | Food & Beverage

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (only 35W-150W)
- Certified according to IEC/EN/UL 62368-1
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III (only 35W-150W)
- Cold start at -40°C

PMC

Building Automation | Process Automation | Factory Automation | Machine Automation | Test & Measurement | LED Lighting | Renewable Energy | Food & Beverage

- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B
- Power will not de-rate for the entire input voltage range (except 600W)
- Full corrosion resistant aluminium casing (except 15W and 600W)
- Also available: IP20 and Front Face connectors for selected models

PMF

Process Automation | Factory Automation | Machine Automation | LED Lighting | Food & Beverage

- Built-in active PFC and automatic fan speed control
- Full corrosion resistant aluminium casing
- Remote ON/OFF is available as an option
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

PMR

LED Lighting

- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-☐V320WDBA and PMR-☐V320WDCA)

PMU

Building Automation | Process Automation | Factory Automation | Machine Automation

- AC input voltage selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Certified according to IEC/EN/UL 62368-1

MEB

Factory Automation | Machine Automation | Test & Measurement | Medical Equipment

- 2 × MOPP isolation, Suitable for type BF medical products
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- Intelligent fan speed control
- Safety approvals for medical and IT applications
- PMBus Ver 1.3 supported (selected models)

Connector Options

Terminal Block connector

IP20 connector

Front Face connector

Harness connector

PMT2

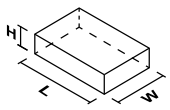
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMT-12V35W2BA□	PMT-12V50W2BA□	PMT-12V75W2BA□	PMT-12V100W2BA□
Output Voltage		12V	12V	12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V
Output Current		3.0A	4.2A	6.0A	8.5A
Output Power		36W	50.4W	72W	102W
PARD (20MHz)		< 120mVpp @ 0°C to 70°C, 360mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.7A typ.	0.95A typ.	1.4A typ.	1.9A typ.
	230Vac	0.42A typ.	0.6A typ.	0.85A typ.	1.2A typ.
Efficiency [1] at 100% Load	230Vac	86.0% typ.	85.0% typ.	87.0% typ.	87.5% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29
	lb	0.36	0.39	0.48	0.63
Cooling System		Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

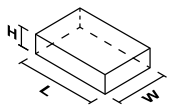
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

			NEW	NEW	
OUTPUT		**PMT-12V150W2BA□**	**PMT-12V150W2CA□**	**PMT-12V200W2B□□**	**PMT-12V350W2B□□**
Output Voltage		12V	12V	12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V
Output Current		12.5A	12.5A	17.0A	29.0A (43.5A for 1s) [2]
Output Power		150W	150W	204W	348W (522W for 1s) [2]
PARD (20MHz)		< 150mVpp @ 0°C to 70°C, 450mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	30ms typ.	12ms typ.	30ms typ.	20ms typ.
	230Vac		55ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac	90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz			
Input Current	115Vac	3.0A typ.	3.0A typ.	4.0A typ.	6.0A typ.
	230Vac	1.7A typ.	1.7A typ.	2.2A typ.	3.4A typ.
Efficiency [1] at 100% Load	230Vac	87.5% typ.	88.0% typ.	88.5% typ.	84.5% typ.
Max Inrush Current (Cold Start)	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.75mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	159 × 97 × 30	159 × 97 × 30	159 × 97 × 30	215 × 115 × 30
	inch	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.35	0.39	0.42	0.83
	lb	0.78	0.86	0.93	1.84
Cooling System		Convection			Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by horizontal mounting orientation.
2) PMT-12V350W2BR□ models only.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

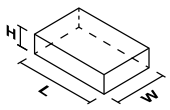
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMT-15V35W2BA	PMT-15V50W2BA	PMT-15V75W2BA	PMT-15V100W2BA	PMT-15V150W2BA	NEW PMT-15V150W2CA
Output Voltage		15V	15V	15V	15V	15V	15V
Output Voltage Range		13.5-16.5V	13.5-16.5V	13.5-16.5V	13.5-16.5V	13.5-16.5V	13.5-16.5V
Output Current		2.4A	3.4A	5.0A	7.0A	10.0A	10.0A
Output Power		36W	51W	75W	105W	150W	150W
PARD (20MHz)		< 120mVpp @ 0°C to 70°C, 360mVpp typ. @ -30°C to 0°C				< 150mVpp @ 0°C to 70°C, 450mVpp typ. @ -30°C to 0°C	
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.	30ms typ.	12ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.		55ms typ.
INPUT							
Phase Input		Single Phase					
Input Voltage Range		90-264Vac				90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac
Input Frequency		47-63Hz					
Input Current	115Vac	0.7A typ.	0.95A typ.	1.4A typ.	1.9A typ.	3.0A typ.	3.0A typ.
	230Vac	0.42A typ.	0.6A typ.	0.85A typ.	1.2A typ.	1.7A typ.	1.7A typ.
Efficiency [1] at 100% Load	230Vac	87.0% typ.	87.0% typ.	88.0% typ.	88.0% typ.	88.0% typ.	89% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.	60A typ.	60A typ.
Power Factor		NA					
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL							
Case Cover / Chassis		SGCC / Aluminium					
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30	159 × 97 × 30	159 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29	0.35	0.39
	lb	0.36	0.39	0.48	0.63	0.78	0.86
Cooling System		Convection					
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT							
Operating Temperature [3]		-30°C to +70°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		20 to 90% RH (Non-Condensing)					
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)					

Dimensions Reference



Notes

1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

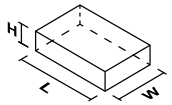
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMT-24V35W2BA	PMT-24V50W2BA	PMT-24V75W2BA□	PMT-24V100W2BA□
Output Voltage		24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current		1.5A	2.2A	3.2A	4.5A
Output Power		36W	52.8W	76.8W	108W
PARD (20MHz)		< 150mVpp @ 0°C to 70°C, 450mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.7A typ.	0.95A typ.	1.4A typ.	1.9A typ.
	230Vac	0.42A typ.	0.6A typ.	0.85A typ.	1.2A typ.
Efficiency [1] at 100% Load	230Vac	88.5% typ.	88.0% typ.	89.5% typ.	90.0% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29
	lb	0.36	0.39	0.48	0.63
Cooling System		Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

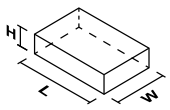
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

			NEW	NEW	
OUTPUT		**PMT-24V150W2BA□**	**PMT-24V150W2CA□**	**PMT-24V200W2B□□**	**PMT-24V350W2B□□**
Output Voltage		24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current		6.25A	6.5A	8.8A	14.6A (21.9A for 1s) [2]
Output Power		150W	156W	211.2W	350.4W (525.6W for 1s) [2]
PARD (20MHz)		< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C		< 150mVpp @ 0°C to 70°C, 450mVpp typ. @ -30°C to 0°C	< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C
Hold-up Time	115Vac	30ms typ.	12ms typ.	30ms typ.	20ms typ.
	230Vac		55ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac	90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz			
Input Current	115Vac	3.0A typ.	3.0A typ.	4.0A typ.	6.0A typ.
	230Vac	1.7A typ.	1.7A typ.	2.2A typ.	3.4A typ.
Efficiency [1] at 100% Load	230Vac	89.0% typ.	90% typ.	90.0% typ.	87.0% typ.
Max Inrush Current (Cold Start)	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.75mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	159 × 97 × 30	159 × 97 × 30	159 × 97 × 30	215 × 115 × 30
	inch	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.35	0.39	0.42	0.83
	lb	0.78	0.86	0.93	1.84
Cooling System		Convection			Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) PMT-24V350W2BR□ models only.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

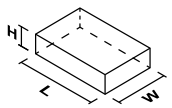
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

							NEW
OUTPUT		**PMT-30V35W2BA**	**PMT-30V50W2BA**	**PMT-30V75W2BA**	**PMT-30V100W2BA**	**PMT-30V150W2BA**	**PMT-30V150W2CA**
Output Voltage		30V	30V	30V	30V	30V	30V
Output Voltage Range		27-33V	27-33V	27-33V	27-33V	27-33V	27.0-33.0V
Output Current		1.2A	1.7A	2.5A	3.6A	5.0A	5.0A
Output Power		36W	51W	75W	108W	150W	150W
PARD (20MHz)		< 150mVpp @ 0°C to 70°C, 450mVpp typ. @ -30°C to 0°C				< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C	
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.	30ms typ.	12ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.		55ms typ.
INPUT							
Phase Input		Single Phase					
Input Voltage Range		90-264Vac				90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac
Input Frequency		47-63Hz					
Input Current	115Vac	0.70A typ.	0.95A typ.	1.4A typ.	1.9A typ.	3.0A typ.	3.0A typ.
	230Vac	0.42A typ.	0.60A typ.	0.85A typ.	1.2A typ.	1.7A typ.	1.7A typ.
Efficiency [1] at 100% Load	230Vac	87.5% typ.	88.0% typ.	89.5% typ.	90.0% typ.	89.0% typ.	90% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.	60A typ.	60A typ.
Power Factor		NA					
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL							
Case Cover / Chassis		SGCC / Aluminium					
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30	159 × 97 × 30	159 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29	0.35	0.39
	lb	0.36	0.39	0.48	0.63	0.78	0.86
Cooling System		Convection					
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT							
Operating Temperature [3]		-30°C to +70°C					
Storage Temperature		-40°C to +85°C					
Operating Humidity		20 to 90% RH (Non-Condensing)					
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)					

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

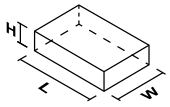
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMT-36V35W2BA	PMT-36V50W2BA	PMT-36V75W2BA	PMT-36V100W2BA
Output Voltage		36V	36V	36V	36V
Output Voltage Range		32.4-39.6V	32.4-39.6V	32.4-39.6V	32.4-39.6V
Output Current		1A	1.45A	2.1A	3A
Output Power		36W	52.2W	75.6W	108W
PARD (20MHz)		< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.7A typ.	0.95A typ.	1.4A typ.	1.9A typ.
	230Vac	0.42A typ.	0.6A typ.	0.85A typ.	1.2A typ.
Efficiency [1] at 100% Load	230Vac	89.0% typ.	89.0% typ.	90.5% typ.	91.0% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29
	lb	0.36	0.39	0.48	0.63
Cooling System		Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

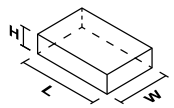
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

			NEW	NEW	
OUTPUT		**PMT-36V150W2BA**	**PMT-36V150W2CA**	**PMT-36V200W2B□**	**PMT-36V350W2B□**
Output Voltage		36V	36V	36V	36V
Output Voltage Range		32.4-39.6V	32.4-39.6V	32.4-39.6V	32.4-39.6V
Output Current		4.3A	4.3A	5.9A	9.7A (14.55A for 1s) [2]
Output Power		154.8W	154.8W	212.4W	349.2W (523.8W for 1s) [2]
PARD (20MHz)		< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	30ms typ.	12ms typ.	30ms typ.	20ms typ.
	230Vac		55ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac	90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz			
Input Current	115Vac	3.0A typ.	3.0A typ.	4.0A typ.	6.0A typ.
	230Vac	1.7A typ.	1.7A typ.	2.2A typ.	3.4A typ.
Efficiency [1] at 100% Load	230Vac	89.5% typ.	90% typ.	90.0% typ.	88.0% typ.
Max Inrush Current (Cold Start)	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.75mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	159 × 97 × 30	159 × 97 × 30	159 × 97 × 30	215 × 115 × 30
	inch	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.35	0.39	0.42	0.83
	lb	0.78	0.86	0.93	1.84
Cooling System		Convection			Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by horizontal mounting orientation.
2) PMT-36V350W2BR model only.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

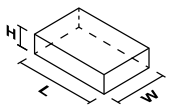
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMT-48V35W2BA	PMT-48V50W2BA	PMT-48V75W2BA	PMT-48V100W2BA
Output Voltage		48V	48V	48V	48V
Output Voltage Range		43.2-52.8V	43.2-52.8V	43.2-52.8V	43.2-52.8V
Output Current		0.8A	1.1A	1.6A	2.3A
Output Power		38.4W	52.8W	76.8W	110.4W
PARD (20MHz)		< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	16ms typ.	12ms typ.	11ms typ.	9ms typ.
	230Vac	70ms typ.	60ms typ.	52ms typ.	42ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.7A typ.	0.95A typ.	1.4A typ.	1.9A typ.
	230Vac	0.42A typ.	0.6A typ.	0.85A typ.	1.2A typ.
Efficiency [1] at 100% Load	230Vac	89.5% typ.	88.5% typ.	90.0% typ.	91.5% typ.
Max Inrush Current (Cold Start)	230Vac	45A typ.	45A typ.	55A typ.	55A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.5mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	99 × 82 × 29	99 × 82 × 29	99 × 97 × 30	129 × 97 × 30
	inch	3.90 × 3.23 × 1.14	3.90 × 3.23 × 1.14	3.90 × 3.82 × 1.18	5.08 × 3.82 × 1.18
Unit Weight	kg	0.17	0.18	0.22	0.29
	lb	0.36	0.39	0.48	0.63
Cooling System		Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

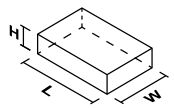
Features

- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16 (except 350W)
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3 (except 350W)
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

Specifications

			NEW	NEW	
OUTPUT		**PMT-48V150W2BA**	**PMT-48V150W2CA**	**PMT-48V200W2B□**	**PMT-48V350W2B□**
Output Voltage		48V	48V	48V	48V
Output Voltage Range		43.2-52.8V	43.2-52.8V	43.2-52.8V	43.2-52.8V
Output Current		3.3A	3.3A	4.4A	7.3A (10.95A for 1s) [2]
Output Power		158.4W	158.4W	211.2W	350.4W (525.6W for 1s) [2]
PARD (20MHz)		< 200mVpp @ 0°C to 70°C, 600mVpp typ. @ -30°C to 0°C			
Hold-up Time	115Vac	30ms typ.	12ms typ.	30ms typ.	20ms typ.
	230Vac		55ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)	90-264Vac	90-132Vac, 180-264Vac (Selectable by Switch)	
Input Frequency		47-63Hz			
Input Current	115Vac	3.0A typ.	3.0A typ.	4.0A typ.	6.0A typ.
	230Vac	1.7A typ.	1.7A typ.	2.2A typ.	3.4A typ.
Efficiency [1] at 100% Load	230Vac	91.0% typ.	91% typ.	91.0% typ.	88.0% typ.
Max Inrush Current (Cold Start)	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		NA			
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA	< 0.5mA	< 0.75mA
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	159 × 97 × 30	159 × 97 × 30	159 × 97 × 30	215 × 115 × 30
	inch	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	6.26 × 3.82 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.35	0.39	0.42	0.83
	lb	0.78	0.86	0.93	1.84
Cooling System		Convection			Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-30°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		20 to 90% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by horizontal mounting orientation.
2) PMT-48V350W2BR model only.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMT2

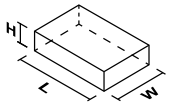
Features

- Isolated & non-isolated Output & Ground for CH1 & CH2
- Household appliance approvals to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- No load power consumption
- Low profile design: 30mm height
- Over Voltage Category III, Pollution Degree 3
- Cold start at -40°C
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Certified according to IEC/EN/UL 62368-1

Specifications

		NEW	NEW
OUTPUT		**PMT-D1V75W2□A**	**PMT-D2V75W2□A**
Output Voltage		V1: 5V, V2: 12V	V1: 5V, V2: 24V
Output Voltage Range		V1: Fixed, V2: 10.8-13.2V	V1: Fixed, V2: 21.6-26.4V
Output Current		V1: 0-5.0A, V2: 0.3-4.0A	V1: 0-5.0A, V2: 0.2-2.1A
Output Power		73W	75.4W
PARD (20MHz)		V1: < 100mVpp, V2: < 120mVpp @ 0°C to 70°C V1: 300mVpp, V2: 360mVpp typ. @ -30°C to 0°C	V1: < 100mVpp, V2: < 150mVpp @ 0°C to 70°C V1: 300mVpp, V2: 450mVpp typ @ -30°C to 0°C
Hold-up Time	115Vac	10ms typ.	10ms typ.
	230Vac	50ms typ.	50ms typ.
INPUT			
Phase Input		Single Phase	
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	1.4A typ.	1.4A typ.
	230Vac	0.85A typ.	0.85A typ.
Efficiency [1] at 100% Load	230Vac	83.0% typ.	85.0% typ.
Max Inrush Current (Cold Start)	230Vac	55A typ.	55A typ.
Power Factor		NA	
Leakage Current (50Hz)	240Vac	< 0.5mA	< 0.5mA
MECHANICAL			
Case Cover / Chassis		SGCC / Aluminium	
Dimensions (L × W × H)	mm	129 × 97 × 30	129 × 97 × 30
	inch	5.08 × 3.82 × 1.18	5.08 × 3.82 × 1.18
Unit Weight	kg	0.28	0.28
	lb	0.61	0.61
Cooling System		Convection	
MTBF [2]		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [3]		-30°C to +70°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) At 25°C ambient temperature by horizontal mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 230Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

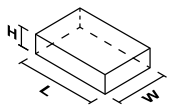
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-05V015W1AA)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-05V015W1AA	PMC-05V035W1A□	PMC-05V050W1AA
Output Voltage		5V	5V	5V
Output Voltage Range		4.75-5.50V	4.75-5.50V	4.75-5.50V
Output Current		0-3.0A	0-7.0A	0-10.0A
Output Power		15W	35W	50W
PARD (20MHz)		< 70mVpp		
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 80ms	> 80ms
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) [1]		
Input Frequency		47-63Hz		
Input Current	115Vac	< 0.32A	< 0.90A	< 1.10A
	230Vac	< 0.22A	< 0.80A	< 0.70A
Efficiency [2] at 100% Load	115Vac	> 79.0%	> 78.0%	> 79.0%
	230Vac		> 79.0%	
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 30A
	230Vac	< 65A	< 60A	< 65A
Power Factor		Conform to EN 61000-3-2		
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		SECC Steel	Aluminium	
Dimensions (L × W × H)	mm	77 × 51 × 28	98 × 97 × 38	128 × 97 × 38
	inch	3.03 × 2.01 × 1.10	3.86 × 3.82 × 1.50	5.04 × 3.82 × 1.50
Unit Weight	kg	0.16	0.18	0.26
	lb	0.35	0.40	0.57
Cooling System		Convection		
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature [4]		-10°C to +70°C		
Storage Temperature		-25°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)		

Dimensions Reference



Notes

1) All models are certified for DC input except PMC-05V015W1AA which still fulfills the test conditions of this range. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

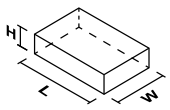
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-12V035W1A□	PMC-12V050W1A□	PMC-12V060W1NA	PMC-12V100W1A□
Output Voltage		12V	12V	12V	12V
Output Voltage Range		11-14V	11-14V	12-14V	11-14V
Output Current		0-3.0A	0-4.17A	0-5.0A	0-8.33A
Output Power		35W	50W	60W	100W
PARD (20MHz)		< 100mVpp			
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 80ms	> 80ms	> 80ms
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) [1]			
Input Frequency		47-63Hz			
Input Current	115Vac	< 0.75A	< 1.10A	< 1.35A	< 2.00A
	230Vac	< 0.50A	< 0.70A	< 0.90A	< 1.10A
Efficiency [2] at 100% Load	115Vac	> 85.0%	> 84.0%	> 86.0%	> 84.0%
	230Vac	> 86.0%		> 87.0%	> 86.0%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 50A	< 60A
	230Vac	< 60A	< 65A	< 100A	< 130A
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × H)	mm	98 × 97 × 38	128 × 97 × 38	128 × 97 × 38	158 × 97 × 38
	inch	3.86 × 3.82 × 1.50	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	6.22 × 3.82 × 1.50
Unit Weight	kg	0.21	0.26	0.28	0.45
	lb	0.46	0.57	0.62	0.99
Cooling System		Convection			
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-10°C to +70°C		-20°C to +70°C	-10°C to +70°C
Storage Temperature		-25°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)			

Dimensions Reference



Notes
1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

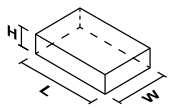
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (PMC-12V150W1B☐)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-12V150W1B☐	PMC-12V600W1BA
Output Voltage		12V	12V
Output Voltage Range		11-14V	10.8-13.2V
Output Current		0-12.5A	0-50A
Output Power		150W	600W
PARD (20MHz)		< 100mVpp	< 240mVpp
Hold-up Time	115Vac	> 30ms	> 20ms
	230Vac		
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) [1]	85-264Vac (DC input range 120-375Vdc) [1]
Input Frequency		47-63Hz	
Input Current	115Vac	< 1.70A @ 115Vac,	< 6.5A @ 115Vac,
	230Vac	< 1.00A @ 230Vac	< 3.2A @ 230Vac
Efficiency [2] at 100% Load	115Vac	> 87.0% @ 115Vac,	> 85.5% @ 115Vac,
	230Vac	> 88.0% @ 230Vac	> 89.0% @ 230Vac
Max Inrush Current (Cold Start)	115Vac	< 60A @ 115Vac,	< 10A @ 115Vac,
	230Vac	< 120A @ 230Vac	< 20A @ 230Vac
Power Factor	115Vac	> 0.99 @ 115Vac,	> 0.98 @ 115Vac,
	230Vac	> 0.90 @ 230Vac	> 0.95 @ 230Vac
Leakage Current	240Vac	< 1mA	< 1mA
MECHANICAL			
Case Cover / Chassis		Aluminium	SECC Steel
Dimensions (L × W × H)	mm	178 × 97 × 38	215 × 120 × 61
	inch	7.01 × 3.82 × 1.50	8.46 × 4.72 × 2.40
Unit Weight	kg	0.54	1.51
	lb	1.19	3.33
Cooling System		Convection	Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [4]		-10°C to +70°C	-20°C to +70°C
Storage Temperature		-25°C to +85°C	-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)	

Dimensions Reference



Notes

1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-12V600W1BA, MTBF calculations do not include fan life time.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

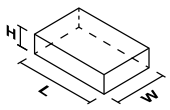
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-24V035W1A□	PMC-24V050W1A□	PMC-24V075W1A□	PMC-24V100W1A□	PMC-24V150W1A□
Output Voltage		24V	24V	24V	24V	24V
Output Voltage Range		22-28V	22-28V	22-28V	22-28V	22-28V
Output Current		0-1.46A	0-2.1A	0-3.12A	0-4.17A	0-6.25A
Output Power		35W	50W	75W	100W	150W
PARD (20MHz)		< 150mVpp		< 100mVpp	< 150mVpp	< 100mVpp
Hold-up Time	115Vac	> 15ms	> 15ms	> 15ms	> 15ms	> 15ms
	230Vac	> 80ms	> 90ms	> 90ms	> 90ms	> 80ms
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) [1]				
Input Frequency		47-63Hz				
Input Current	115Vac	< 0.75A	< 1.10A	< 1.50A	< 2.00A	< 3.10A
	230Vac	< 0.50A	< 0.70A	< 1.00A	< 1.10A	< 2.00A
Efficiency [2] at 100% Load	115Vac	> 85.0%	> 86.0%	> 86.0%	> 86.0%	> 87.0%
	230Vac					> 88.0%
Max Inrush Current (Cold Start)	115Vac	< 30A	< 30A	< 40A	< 50A	< 60A
	230Vac	< 60A	< 60A	< 80A	< 100A	< 120A
Power Factor		Conform to EN 61000-3-2				NA
Leakage Current	240Vac	< 1mA				
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × H)	mm	128 × 97 × 38	128 × 97 × 38	128 × 97 × 38	158 × 97 × 38	178 × 97 × 38
	inch	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	5.04 × 3.82 × 1.50	6.22 × 3.82 × 1.50	7.01 × 3.82 × 1.50
Unit Weight	kg	0.24	0.26	0.30	0.41	0.48
	lb	0.53	0.57	0.66	0.90	1.06
Cooling System		Convection				
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature [4]		-10°C to +70°C				
Storage Temperature		-25°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)				0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

1) All models are certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

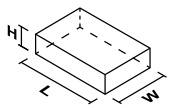
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-24V150W2AA	PMC-24V150W1B□	PMC-24V300W1BA
Output Voltage		24V	24V	V1: 24V, V2 SB: 12V
Output Voltage Range		22-28V	22-28V	V1: 22-28V
Output Current		0-6.25A	0-6.25A	V1: 12.5A (0-12.5A) V2 SB: 0.5A (0-0.5A)
Output Power		150W	150W	300W
PARD (20MHz)		< 100mVpp		V1: < 100mVpp, V2: < 200mVpp
Hold-up Time	115Vac	-	> 30ms	> 15ms @ nominal input, 100% load
	230Vac	> 20ms		
INPUT				
Phase Input		Single Phase		
Input Voltage Range		180-264Vac (DC input range 220-375Vdc) [1]	85-264Vac (DC input range 125-375Vdc) [1]	
Input Frequency		47-63Hz		
Input Current	115Vac	-	< 1.7A	< 4.0A
	230Vac	< 1.6A	< 1.0A	< 2.0A
Efficiency [2] at 100% Load	115Vac	-	> 89.0%	> 86.0%
	230Vac	> 87.0%	> 91.0%	> 88.0%
Max Inrush Current (Cold Start)	115Vac	-	< 60A	< 35A
	230Vac	< 120A	< 120A	< 70A
Power Factor	115Vac	Conform to EN 61000-3-2	> 0.99	> 0.99
	230Vac		> 0.90	> 0.97
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		Aluminium		
Dimensions (L × W × H)	mm	178 × 97 × 38	178 × 97 × 38	199 × 105 × 41
	inch	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50	7.83 × 4.13 × 1.61
Unit Weight	kg	0.50	0.54	0.82
	lb	1.10	1.19	1.81
Cooling System		Convection		Forced Air (Built-in Fan)
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature [4]		-10°C to +70°C		
Storage Temperature		-25°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)	0 to 5,000 m (0 to 16,400 ft)	0 to 3,000 m (0 to 9,840 ft)

Dimensions Reference



Notes

1) All models fulfill the test conditions for this range. DC input safety approval can be obtained upon request. While PMC-24V150W2AA is certified for DC input.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V300W1BA, MTBF calculations do not include fan life time.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

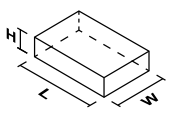
Features

- Meet Surge Immunity IEC 61000-4-5, Level 4 (CM: 4kV, DM: 2kV)
- Built-in fan speed control and fan lock protection
- Wide operating temperature range -20°C to 70°C
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B (PMC-24V600W1BA)

Specifications

			NEW
OUTPUT		**PMC-24V600W1BA**	**PMC-24V600W1RW**
Output Voltage		24V	24V
Output Voltage Range		21.6-26.4V	21.6-27.6V
Output Current		0-25.0A (50.0A for 5s)	25.0A
Output Power		600W (1,200W for 5s)	600W
PARD (20MHz)		< 180mVpp	< 150mVpp @ 0°C to 70°C, 180mVpp typ. @ -20°C to 0°C
Hold-up Time	115Vac	> 20ms	20ms typ.
	230Vac		
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac (DC input range 120-370Vdc) [1]	85-264Vac
Input Frequency		47-63Hz	
Input Current	115Vac	< 6.5A	6A typ.
	230Vac	< 3.2A	3A typ.
Efficiency [2] at 100% Load	115Vac	> 86.0%	90.0% typ.
	230Vac	> 89.0%	92.0% typ.
Max Inrush Current (Cold Start)	115Vac	< 20A	20A typ.
	230Vac	< 40A	40A typ.
Power Factor	115Vac	> 0.99	0.99 typ.
	230Vac	> 0.94	0.97 typ.
Leakage Current	240Vac	< 1.5mA	< 0.75mA
MECHANICAL			
Case Cover / Chassis		SECC Steel	SGCC
Dimensions (L × W × H)	mm	215 × 120 × 61	190 × 120 × 61
	inch	8.46 × 4.72 × 2.40	7.48 × 4.72 × 2.40
Unit Weight	kg	1.60	1.40
	lb	3.53	3.10
Cooling System		Forced Air (Built-in Fan)	
MTBF [3]		> 300,000 hrs	> 700,000 hrs
ENVIRONMENT			
Operating Temperature [4]		-20°C to +70°C	
Storage Temperature		-20°C to +75°C	-30°C to +75°C
Operating Humidity		5 to 95% RH (Non-Condensing)	20 to 95% RH (Non-Condensing)
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)	0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes

1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-24V600W1BA, MTBF calculations does not include fan life time.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMC

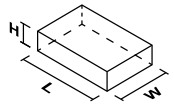
Features

- Power will not de-rate for the entire input voltage range
- Full corrosion resistant aluminium casing (except PMC-48V600W1BA)
- High MTBF > 700,000 hrs as per Telcordia SR-332
- Safety approval according to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1 and EMI to EN 55032, Class B

Specifications

OUTPUT		PMC-48V150W1BA	PMC-48V600W1BA	PMC-DSPV100W1A
Output Voltage		48V	48V	V1: 24V, V2: 5V
Output Voltage Range		44-53V	43.2-52.8V	V1: 22.8-26.4V
Output Current		0-3.125A	0-12.5A	V1: 2.7A (0.3-4.0A) V2: 7.0A (0.8-7.0A)
Output Power		150W	600W	100W
PARD (20MHz)		< 200mVpp	< 300mVpp	V1: < 200mVpp, V2: < 80mVpp
Hold-up Time	115Vac	> 30ms	> 20ms	> 15ms
	230Vac			> 80ms
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-264Vac (DC input range 125-375Vdc) [1]	85-264Vac (DC input range 120-370Vdc) [1]	85-264Vac (DC input range 125-375Vdc) [1]
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.7A	< 6.5A	< 2.0A
	230Vac	< 1.0A	< 3.2A	< 1.1A
Efficiency [2] at 100% Load	115Vac	> 89.0%	> 87.0%	> 84.0%
	230Vac	> 91.0%	> 90.0%	> 86.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 20A	< 50A
	230Vac	< 40A	< 40A	< 100A
Power Factor	115Vac	> 0.99	> 0.98	Conform to EN 61000-3-2
	230Vac	> 0.92	> 0.96	
Leakage Current	240Vac	< 1.5mA	< 1mA	< 1mA
MECHANICAL				
Case Cover / Chassis		Aluminium	SECC Steel	Aluminium
Dimensions (L × W × H)	mm	178 × 97 × 38	215 × 120 × 61	178 × 97 × 38
	inch	7.01 × 3.82 × 1.50	8.46 × 4.72 × 2.40	7.01 × 3.82 × 1.50
Unit Weight	kg	0.53	1.54	0.52
	lb	1.17	3.40	1.15
Cooling System		Convection	Forced Air (Built-in Fan)	Convection
MTBF [3]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature [4]		-10°C to +70°C	-20°C to +70°C	-10°C to +70°C
Storage Temperature		-25°C to +85°C	-40°C to +85°C	-25°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	0 to 3,000 m (0 to 9,840 ft)	

Dimensions Reference



Notes

1) All models fulfill the test conditions for DC input. DC input safety approval can be obtained upon request.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation. For PMC-48V600W1BA, MTBF calculations does not include fan life time.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMF

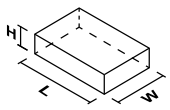
Features

- Built-in active PFC and automatic fan speed control
- Full corrosion resistant aluminium casing
- Conforms to harmonic current IEC/EN 61000-3-2, Class D
- Remote ON/OFF is available as an option
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMF-4V320WC□□	PMF-5V320WC□□	PMF-24V240WC□□	PMF-24V320WC□□
Output Voltage		4.2V	5V	24V	24V
Output Voltage Range		3.78-4.62V	4.50-5.50V	21.6-26.4V	21.6-26.4V
Output Current		55.0A	55.0A	10.0A	13.3A
Output Power		231W	275W	240W	320W
PARD (20MHz)		< 150mVpp			
Hold-up Time	115Vac	16ms typ.	16ms typ.	20ms typ.	20ms typ.
	230Vac				
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	5.0A typ.	5.0A typ.	3.6A typ.	5.0A typ.
	230Vac	2.5A typ.	2.5A typ.	1.8A typ.	2.5A typ.
Efficiency [1] at 100% Load	230Vac	76.5% typ.	78.5% typ.	87.0% typ.	87.0% typ.
Max Inrush Current (Cold Start)	115Vac	20A typ.	20A typ.	30A typ.	20A typ.
	230Vac	40A typ.	40A typ.	60A typ.	40A typ.
Power Factor	115Vac	0.97 typ.	0.98 typ.	0.99 typ.	0.98 typ.
	230Vac	0.94 typ.	0.95 typ.	0.95 typ.	0.95 typ.
Leakage Current	240Vac	< 1mA	< 1mA	< 0.5mA	< 1mA
MECHANICAL					
Case Cover / Chassis		Aluminium			
Dimensions (L × W × H)	mm	215 × 115 × 50	215 × 115 × 50	190 × 93 × 50	215 × 115 × 50
	inch	8.46 × 4.53 × 1.97	8.46 × 4.53 × 1.97	7.48 × 3.66 × 1.97	8.46 × 4.53 × 1.97
Unit Weight	kg	0.86	0.86	0.66	0.84
	lb	1.90	1.90	1.46	1.85
Cooling System		Forced Air (Built-in Fan)			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-10°C to +70°C			
Storage Temperature		-20°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). MTBF calculations do not include fan life time.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMR

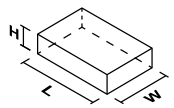
Features

- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-4V320WDBA and PMR-4V320WDCA)

Specifications

OUTPUT		PMR-4V320WC□A	PMR-4V320WDAA	PMR-4V320WDGA	PMR-4V320WDBA	PMR-4V320WDCA
Output Voltage		4.2V	4.2V	4.2V	4.2V	4.2V
Output Voltage Range		3.78-4.62V	3.78-4.62V	3.78-4.62V	3.99-4.51V (No potentiometer)	3.99-4.51V (No potentiometer)
Output Current		60.0A	60.0A	60.0A	60.0A	60.0A
Output Power		252W	252W	252W	252W	252W
PARD (20MHz)		< 150mVpp				
Hold-up Time		8ms typ.	8ms typ.	8ms typ.	8ms typ.	8ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		88-264Vac				
Input Frequency		47-63Hz				
Input Current	115Vac	3.0A typ.	4.5A typ.	4.5A typ.	4.5A typ.	4.5A typ.
	230Vac	1.5A typ.	2.5A typ.	2.5A typ.	2.5A typ.	2.5A typ.
Efficiency [1] at 100% Load	115Vac	80.5% typ.	84.5% typ.	84.5% typ.	84.0% typ.	84.0% typ.
	230Vac	83.5% typ.	86.5% typ.	86.5% typ.	86.0% typ.	86.0% typ.
Max Inrush Current (Cold Start)	115Vac	20A typ.	20A typ.	20A typ.	20A typ.	20A typ.
	230Vac	40A typ.	40A typ.	40A typ.	40A typ.	40A typ.
Power Factor	115Vac	0.98 typ.	0.98 typ.	0.98 typ.	0.98 typ.	0.98 typ.
	230Vac	0.95 typ.	0.95 typ.	0.95 typ.	0.95 typ.	0.95 typ.
Leakage Current	240Vac	< 0.5mA	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × H)	mm	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30
	inch	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.76	0.86	0.86	0.86	0.86
	lb	1.68	1.90	1.90	1.90	1.90
Cooling System		Forced Air (Built-in Fan)	Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature [3]		-10°C to +70°C	-20°C to +70°C			
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



Notes

1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMR-4V320WC□A, MTBF calculation does not include fan life time.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMR

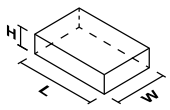
Features

- Full corrosion resistant aluminium casing
- Built-in active PFC and conforms to harmonic current IEC/EN 61000-3-2, Class A and Class D
- Low profile design for 1U installation
- Built-in DC OK relay contact and redundancy operation (PMR-5V320WDBA and PMR-5V320WDCA)

Specifications

OUTPUT		PMR-5V320WC□A	PMR-5V320WDAA	PMR-5V320WDGA	PMR-5V320WDBA	PMR-5V320WDCA
Output Voltage		5V	5V	5V	5V	5V
Output Voltage Range		4.50-5.50V	4.50-5.50V	4.50V-5.50V	4.75-5.25V (No potentiometer)	4.75-5.25V (No potentiometer)
Output Current		60.0A	60.0A	60.0A	60.0A	60.0A
Output Power		300W	300W	300W	300W	300W
PARD (20MHz)		< 150mVpp				
Hold-up Time		8ms typ.				
INPUT						
Phase Input		Single Phase				
Input Voltage Range		88-264Vac				
Input Frequency		47-63Hz				
Input Current	115Vac	4.5A typ.	5.0A typ.	5.0A typ.	5.0A typ.	5.0A typ.
	230Vac	2.5A typ.	2.5A typ.	2.5A typ.	2.5A typ.	2.5A typ.
Efficiency [1] at 100% Load	115Vac	81.0% typ.	86.0% typ.	86.0% typ.	85.0% typ.	85.0% typ.
	230Vac	84.0% typ.	88.0% typ.	88.0% typ.	87.0% typ.	87.0% typ.
Max Inrush Current (Cold Start)	115Vac	20A typ.	20A typ.	20A typ.	20A typ.	20A typ.
	230Vac	40A typ.	40A typ.	40A typ.	40A typ.	40A typ.
Power Factor	115Vac	0.98 typ.	0.98 typ.	0.98 typ.	0.98 typ.	0.98 typ.
	230Vac	0.95 typ.	0.95 typ.	0.95 typ.	0.95 typ.	0.95 typ.
Leakage Current	240Vac	< 0.5mA	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL						
Case Cover / Chassis		Aluminium				
Dimensions (L × W × H)	mm	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30	215 × 115 × 30
	inch	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18	8.46 × 4.53 × 1.18
Unit Weight	kg	0.76	0.86	0.86	0.86	0.86
	lb	1.68	1.90	1.90	1.90	1.90
Cooling System		Forced Air (Built-in Fan)	Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature [3]		-10°C to +70°C	-20°C to +70°C			
Storage Temperature		-40°C to +85°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



Notes

1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 100Vac, O/P: 100% load, Ta: 35°C). For PMR-5V320WC□A, MTBF calculation does not include fan life time.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PMU

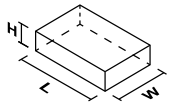
Features

- AC input voltage range selectable by switch
- LED indicators for DC OK (Green) and Battery Reverse Polarity Connection (Red)
- Zero switch over time from loss of AC to battery operation
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. per Telcordia SR-332
- Monitoring signals for AC OK, DC OK and Battery Low indication
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PMU-13V155W□BA	PMU-13V155W□CA	PMU-27V155W□BA	PMU-27V155W□CA
Output Voltage		V1: 13.8V, B+: 13.3V	V1: 13.8V, B+: 13.3V	V1: 27.6V, B+: 27.1V	V1: 27.6V, B+: 27.1V
Output Voltage Range		12-14V	12-14V	24-28V	24-28V
Output Current		V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)	V1: 9.5A (0-11.0A) B+: 1.5A (0.5-1.5A)	PMU-27V155WCBA V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WLBA V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)	PMU-27V155WCCA V1: 4.0A (0-5.5A) B+: 1.5A (0.5-1.5A) PMU-27V155WLCA V1: 4.3A (0-5.5A) B+: 1.2A (0.50-1.2A)
Output Power		151W	151W	151W	151W
PARD (20MHz)		< 150mVpp @ 0°C to -20°C, < 100mVpp @ > 0°C to 70°C			
Hold-up Time		20ms without Battery at B+			
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-132Vac, 180-264Vac (Selectable by Switch)			
Input Frequency		47-63Hz			
Input Current	115Vac	< 2.5A	< 2.5A	< 2.5A	< 2.5A
	230Vac	< 1.5A	< 1.5A	< 1.5A	< 1.5A
Efficiency [1] at 100% Load	115Vac	> 85.0%	> 85.0%	> 88.0%	> 88.0%
	230Vac	> 86.0%	> 86.0%	> 89.0%	> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 25A	< 25A	< 25A	< 25A
	230Vac				
Power Factor		Conform to EN 61000-3-2			
Leakage Current	264Vac	< 0.5mA			
MECHANICAL					
Case Cover / Chassis		SGCC / Aluminium			
Dimensions (L × W × H)	mm	178 × 97 × 38	178 × 97 × 38	178 × 97 × 38	178 × 97 × 38
	inch	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50	7.01 × 3.82 × 1.50
Unit Weight	kg	0.59	0.60	0.59	0.60
	lb	1.30	1.32	1.30	1.32
Cooling System		Convection			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-20°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes

1) At 25°C ambient temperature by vertical mounting orientation.
2) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load) for vertical mounting orientation.
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

MEB

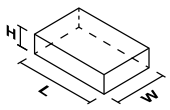
Features

- High Power Density
- 2 × MOPP Isolation
- Safety Approvals to IEC 60601-1 Ed. 2 & 3.1
- Suitable for Type BF Medical Products
- Full Power up to 50°C Ambient
- Class B Conducted and Radiated EMI

Specifications

			NEW	NEW
OUTPUT		**MEB-500A24F AA**	**MEB-750A24☐ AAA**	**MEB-750A48☐ AAA**
Output Voltage		24V	24V	48V
Output Current (Max)		21.0A	31.25A	15.63A
Output Power		504W	750W	750W
Load Regulation		< 150mV	< 2%	< 2%
Ripple & Noise		< 300mVpp @ 0°C to +50°C	1% pk-pk Vrated @ rated load	1% pk-pk Vrated @ rated load
INPUT				
Input Voltage Range		90-264Vac	85-264Vac	
Input Frequency		47-63Hz		
Efficiency	230Vac (50Hz)	92.0% typ.	94.0% typ.	94.0% typ.
Leakage Current [1]	264Vac	Input-PE: < 0.1mA @ NC, < 0.3mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC	Input-PE: 0.3mA typ. @ NC, 1mA typ. @ SFC Output-PE: 0.1mA typ. @ NC, 0.5mA typ. @ SFC	
MECHANICAL				
Dimensions (L × W × H)	mm	165.3 × 85.2 × 41	177.8 × 101.6 × 40	177.8 × 101.6 × 40
	inch	6.50 × 3.35 × 1.61	7.00 × 4.00 × 1.58	7.00 × 4.00 × 1.58
Unit Weight	kg	0.66	1.10	1.10
	lb	1.46	2.40	2.40
MTBF [2]		> 700,000 hrs	> 500,000 hrs	> 500,000 hrs
EMC & Emissions		EN 55011 & Compliant with EN 55032, FCC Title 47: Class B	EN 55011, EN 55032, FCC Title 47: Class B	
ENVIRONMENT				
Operating Temperature [3]		-20°C to +70°C		
Storage Temperature		-30°C to +80°C	-40°C to +80°C	
Operating Humidity		20 to 90% RH (Non-Condensing)	5 to 95% RH (Non-Condensing)	
Operating Altitude		IEC 60601-1: 0 to 3,000 m (0 to 9,840 ft) IEC 60950-1 & IEC 62368-1: 0 to 5,000 m (16,400 ft)	0 to 5,000 m (16,400 ft)	
MEDICAL RATING				
Float Rating		BF		
MOPP		2 × MOPP		

Dimensions Reference



Notes
1) NC: normal condition, SFC: single fault condition.
2) MTBF as per Telcordia SR-332 (MEB-500A24F: I/P: 115Vac, O/P: 100% load, Ta: 25°C; MEB-750A24☐, MEB-750A48☐: I/P: 115Vac, O/P: 100% load, Ta: 35°C).
3) Refer power de-rating in the product datasheet.

MEB

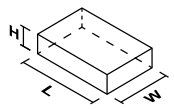
Features

- Up to 1200W in 5" × 8.03" × 1.59" package
- Full power from 90Vac to 264Vac, up to 50°C ambient
- Up to 500K hours MTBF
- 2 × MOPP isolation, Suitable for type BF medical products
- Current sharing and 5V/2A standby output
- Class B Conducted and Radiated EMI
- Compliant with IEC 60601-1-2 Ed. 4 requirements
- PMBus Ver 1.3 supported
- Intelligent fan speed control

Specifications

OUTPUT		MEB-1K2A24T ABA	MEB-1K2A42T ABA	MEB-1K2A48T ABA
Output Voltage		24V	42V	48V
Output Current (Max)		50.0A	28.5A	25.0A
Output Power		1200W	1200W	1200W
Load Regulation		2%		
Ripple & Noise		1% typ. pk-pk Vrated @ rated load	1% typ. pk-pk Vrated @ rated load	1% typ. pk-pk Vrated @ rated load
INPUT				
Input Voltage Range		85-264Vac		
Input Frequency		47-63Hz		
Efficiency	115Vac (60Hz)	90.0% typ.	90.9% typ.	91.5% typ.
	230Vac (50Hz)	93.0% typ.	93.2% typ.	94.0% typ.
Leakage Current [1]	264Vac	Input-PE: < 0.3mA @ NC, < 1mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC	Input-PE: < 0.3mA @ NC, < 1mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC	Input-PE: < 0.3mA @ NC, < 1mA @ SFC Output-PE: < 0.1mA @ NC, < 0.5mA @ SFC
MECHANICAL				
Dimensions (L × W × H)	mm	204 × 127 × 40.5	204 × 127 × 40.5	204 × 127 × 40.5
	inch	8.03 × 5.0 × 1.59	8.03 × 5.0 × 1.59	8.03 × 5.0 × 1.59
Unit Weight	kg	1.50	1.50	1.50
	lb	3.30	3.30	3.30
MTBF [2]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
EMC & Emissions		EN 55011/EN 55032, FCC Title 47: Class B		
ENVIRONMENT				
Operating Temperature [3]		-20°C to +70°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
MEDICAL RATING				
Float Rating		BF		
MOPP		2 × MOPP		

Dimensions Reference



Notes
1) NC: normal condition, SFC: single fault condition.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load, Ta: 35°C).
3) Refer power de-rating in the product datasheet.

INDUSTRIAL POWER SUPPLIES

Open Frame Power Supply

PJT

Building Automation | Factory Automation | Machine Automation | Test & Measurement | Food & Beverage

- Standard industrial footprint
- Low Leakage Current
- Convection cooled operating temperature range from -10°C to +70°C
- Multiple connector sources options (JWT, JST, Molex)
- Certified according to IEC/EN/UL 62368-1

PJ

Building Automation | Factory Automation | Machine Automation | Test & Measurement | Food & Beverage

- Low Inrush Current / Low Leakage Current
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1

PJB

Factory Automation | Machine Automation | Test & Measurement | Food & Beverage

- Power Boost of 200% for 10 seconds
- Low Inrush Current / Low Leakage Current
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Certified according to IEC/EN/UL 62368-1

PJH

Food & Beverage

- Household appliance approval to IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16
- Available for Class I or Class II (double isolation) configuration with universal AC input voltage range
- Built-in active PFC, remote On/Off, remote sense, power good signal
- Cold start at -40°C
- Certified according to IEC/EN/UL 62368-1

PJU

Building Automation | Food & Beverage

- Zero switch over time from loss of AC to battery operation
- Protection against reverse polarity battery connection
- Built-in diagnostic monitoring for AC OK and Battery Low status
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Built-in over current and short circuit protection in Buffering (battery discharging) mode operation
- Certified according to IEC/EN/UL 62368-1

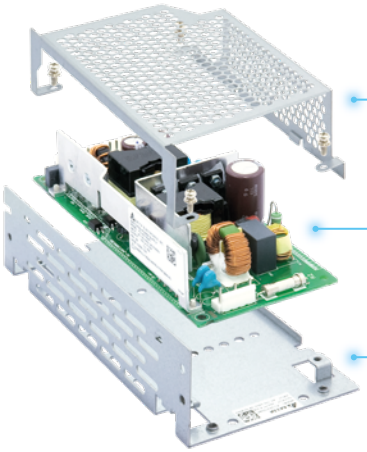
PJL

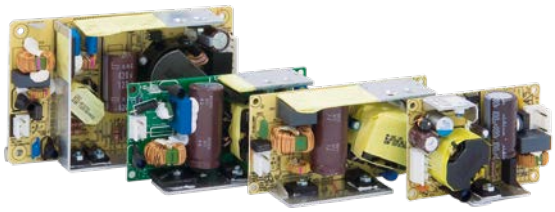
LED Lighting

- Standard industrial footprint of 3" x 5"
- Low inrush current < 20A and up to 90.0% efficiency
- Low earth leakage current < 500μA
- Extreme low temperature operation at -40°C
- Lighting approval to UL 8750, IEC 61347-2-13 and other approvals to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1

Configuration Options

For the PJ series, PJB series and PJU series, metal chassis and case cover are available as options for different installation preferences.





PJT

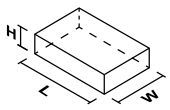
Features

- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

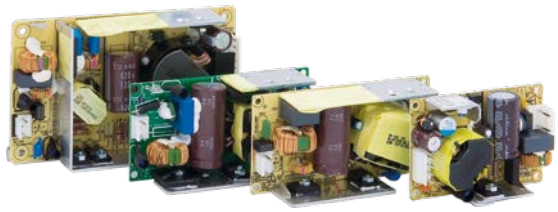
Specifications

OUTPUT		PJT-12V40WBA□	PJT-12V65WBA□	PJT-12V100WBA□	PJT-12V100WBB□
Output Voltage		12V	12V	12V	12V
Output Current		3.33A	5.0A	8.33A	6.67A (Convection) 8.33A (Forced Air)
Output Power		40W	60W	100W	80W (Convection) 100W (Forced Air)
PARD (20MHz)		< 120mVpp			
Hold-up Time	115Vac	18ms typ.	16ms typ.	20ms typ.	10ms typ.
	230Vac	90ms typ.	80ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.85A typ.	1.50A typ.	1.50A typ.	2.50A typ.
Efficiency [1] at 100% Load	115Vac	85.0% typ.	86.0% typ.	86.5% typ.	86.0% typ.
	230Vac	86.0% typ.	86.5% typ.		88.0% typ.
Max Inrush Current (Cold Start)	115Vac	30A typ.	30A typ.	30A typ.	30A typ.
	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 0.1mA	< 0.1mA	< 0.1mA	< 0.1mA
MECHANICAL					
Case Cover / Chassis		–			
Dimensions (L × W × H)	mm	76.2 × 50.8 × 22.9	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8
	inch	3.00 × 2.00 × 0.90	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25
Unit Weight	kg	0.08	0.13	0.21	0.15
	lb	0.18	0.29	0.46	0.33
Cooling System		Convection			Convection / Forced Air
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-10°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		10 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



PJT

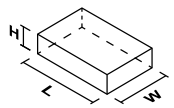
Features

- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

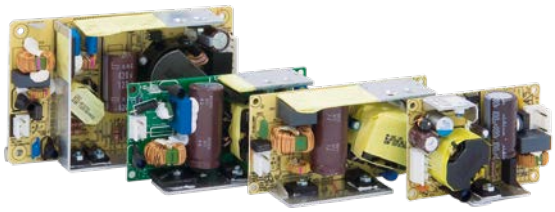
Specifications

OUTPUT		PJT-15V40WBA□	PJT-15V65WBA□	PJT-15V100WBA□	PJT-15V100WBB□
Output Voltage		15V	15V	15V	15V
Output Current		2.67A	4.2A	6.67A	5.33A (Convection) 6.67A (Forced Air)
Output Power		40W	63W	100W	80W (Convection) 100W (Forced Air)
PARD (20MHz)		< 150mVpp			
Hold-up Time	115Vac	18ms typ.	16ms typ.	20ms typ.	10ms typ.
	230Vac	90ms typ.	80ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.85A typ.	1.50A typ.	1.50A typ.	2.50A typ.
Efficiency [1] at 100% Load	115Vac	86.0% typ.	87.0% typ.	87.5% typ.	87.0% typ.
	230Vac	87.0% typ.	88.5% typ.		89.0% typ.
Max Inrush Current (Cold Start)	115Vac	30A typ.	30A typ.	30A typ.	30A typ.
	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 0.1mA			
MECHANICAL					
Case Cover / Chassis		–			
Dimensions (L × W × H)	mm	76.2 × 50.8 × 22.9	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8
	inch	3.00 × 2.00 × 0.90	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25
Unit Weight	kg	0.08	0.13	0.21	0.15
	lb	0.18	0.29	0.46	0.33
Cooling System		Convection			Convection / Forced Air
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-10°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		10 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



PJT

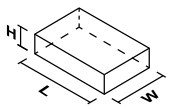
Features

- Small standard footprint
- Low Leakage Current < 0.1mA
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJT-18V40WBA□	PJT-18V65WBA□	PJT-18V100WBA□	PJT-18V100WBB□
Output Voltage		18V	18V	18V	18V
Output Current		2.22A	3.61A	5.55A	4.44A (Convection) 5.55A (Forced Air)
Output Power		40W	65W	100W	80W (Convection) 100W (Forced Air)
PARD (20MHz)		< 180mVpp			
Hold-up Time	115Vac	18ms typ.	16ms typ.	20ms typ.	10ms typ.
	230Vac	90ms typ.	80ms typ.		
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	0.85A typ.	1.50A typ.	1.50A typ.	2.50A typ.
Efficiency [1] at 100% Load	115Vac	86.0% typ.	87.0% typ.	87.5% typ.	87.0% typ.
	230Vac		88.0% typ.		89.0% typ.
Max Inrush Current (Cold Start)	115Vac	30A typ.	30A typ.	30A typ.	30A typ.
	230Vac	60A typ.	60A typ.	60A typ.	60A typ.
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 0.1mA			
MECHANICAL					
Case Cover / Chassis		–			
Dimensions (L × W × H)	mm	76.2 × 50.8 × 22.9	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8
	inch	3.00 × 2.00 × 0.90	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25
Unit Weight	kg	0.08	0.13	0.21	0.15
	lb	0.18	0.29	0.46	0.33
Cooling System		Convection			Convection / Forced Air
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-10°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		10 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJT

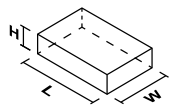
Features

- Small standard footprint
- Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- High MTBF > 700,000 hrs. as per Telcordia SR-332
- Short Circuit / Overvoltage / Overcurrent / Over Temperature Protections
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJT-24V40WBA□	PJT-24V65WBA□	PJT-24V100WBA□	PJT-24V100WBB□	PJT-27V150WBNA
Output Voltage		24V	24V	24V	24V	V1: 27V, V_{SB}: 12V
Output Current		1.66A	2.71A	4.17A	3.33A (Convection) 4.17A (Forced Air)	V1: 5.55A V_{SB}: 0.5A
Output Power		40W	65W	100W	80W (Convection) 100W (Forced Air)	V1: 150W V_{SB}: 6W
PARD (20MHz)		< 240mVpp				V1: < 150mVpp, V_{SB}: < 75mVpp
Hold-up Time	115Vac	18ms typ.	16ms typ.	20ms typ.	10ms typ.	> 40ms
	230Vac	90ms typ.	80ms typ.			
INPUT						
Phase Input		Single Phase				
Input Voltage Range		90-264Vac				85-264Vac
Input Frequency		47-63Hz				
Input Current	115Vac	0.85A typ.	1.50A typ.	1.50A typ.	2.50A typ.	< 1.80A
	230Vac	-	-	-	-	< 0.90A
Efficiency [1] at 100% Load	115Vac	86.0% typ.	87.0% typ.	88.0% typ.	88.0% typ.	> 88.5%
	230Vac	87.0% typ.			89.0% typ.	> 89.5%
Max Inrush Current (Cold Start)	115Vac	30A typ.	30A typ.	30A typ.	30A typ.	< 50A
	230Vac	60A typ.	60A typ.	60A typ.	60A typ.	< 100A
Power Factor	115Vac	Conform to EN 61000-3-2				> 0.99
	230Vac					> 0.93
Leakage Current	240Vac	< 0.1mA	< 0.1mA	< 0.1mA	< 0.1mA	-
	264Vac	-	-	-	-	< 0.25mA
MECHANICAL						
Case Cover / Chassis		–				
Dimensions (L × W × H)	mm	76.2 × 50.8 × 22.9	101.6 × 50.8 × 30	127 × 76.2 × 31	101.6 × 50.8 × 31.8	127 × 76.2 × 36.5
	inch	3.00 × 2.00 × 0.90	4.00 × 2.00 × 1.18	5.00 × 3.00 × 1.22	4.00 × 2.00 × 1.25	5.00 × 3.00 × 1.44
Unit Weight	kg	0.08	0.13	0.21	0.15	0.37
	lb	0.18	0.29	0.46	0.33	0.82
Cooling System		Convection			Convection / Forced Air	Convection
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT						
Operating Temperature [3]		-10°C to +70°C				
Storage Temperature		-40°C to +85°C				
Operating Humidity		10 to 95% RH (Non-Condensing); PJT-27V150WBNA: 5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJ

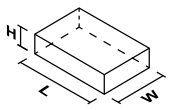
Features

- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJ-12V15W□NA	PJ-12V30W□NA	PJ-12V50W□NA	PJ-12V100W□□A	PJ-12V150W□□A
Output Voltage		12V	12V	12V	12V	12V
Output Voltage Range		10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V	10.8-13.2V
Output Current		1.3A	2.5A	4.3A	8.5A	12.5A
Output Power		15.6W	30W	51.6W	102W	150W
PARD (20MHz)		< 150mVpp				
Hold-up Time	100Vac	20ms typ.	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT						
Phase Input		Single Phase				
Input Voltage Range		85-264Vac				
Input Frequency		47-63Hz				
Input Current	100Vac	0.35A typ.	0.65A typ.	0.65A typ.	1.30A typ.	1.90A typ.
	200Vac	0.20A typ.	0.35A typ.	0.35A typ.	0.65A typ.	0.95A typ.
Efficiency [1] at 100% Load	100Vac	81.0% typ.	83.0% typ.	83.0% typ.	85.0% typ.	88.0% typ.
	200Vac	82.5% typ.	85.0% typ.	85.0% typ.	87.5% typ.	91.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.	15A typ.	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.	30A typ.	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2		0.98 typ.	0.99 typ.	0.99 typ.
	200Vac			0.97 typ.	0.98 typ.	0.97 typ.
Leakage Current	100Vac	< 0.1mA	< 0.1mA	< 0.1mA	< 0.2mA	< 0.2mA
	240Vac	< 0.2mA	< 0.2mA	< 0.2mA	< 0.4mA	< 0.4mA
MECHANICAL						
Case Cover / Chassis		SGCC				
Dimensions [2] (L × W × H)	mm	87.5 × 50 × 22	105 × 50 × 25.6	132 × 50 × 26.6	155 × 62 × 33.5	160 × 75 × 37
	inch	3.44 × 1.97 × 0.87	4.13 × 1.97 × 1.01	5.20 × 1.97 × 1.05	6.10 × 2.44 × 1.32	6.30 × 2.95 × 1.46
Unit Weight [2]	kg	0.06	0.11	0.16	0.26	0.30
	lb	0.13	0.24	0.35	0.57	0.66
Cooling System		Convection				
MTBF [3]		> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT						
Operating Temperature [4]		-10°C to +70°C				
Storage Temperature		-25°C to +75°C				
Operating Humidity		5 to 95% RH (Non-Condensing)				
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)				

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) Open Frame (without chassis and cover).
3) MTBF as per JEITA RCR-9102B.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJ

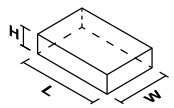
Features

- High PF > 0.97 (for 50W and above)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W and above
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJ-24V30W□NA	PJ-24V50W□NA	PJ-24V100W□□A	PJ-24V150W□□A
Output Voltage		24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current		1.3A	2.1A	4.3A	6.3A
Output Power		31.2W	50.4W	103.2W	150W
PARD (20MHz)		< 150mVpp			
Hold-up Time	100Vac	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac			
Input Frequency		47-63Hz			
Input Current	100Vac	0.65A typ.	0.65A typ.	1.30A typ.	1.90A typ.
	200Vac	0.35A typ.	0.35A typ.	0.65A typ.	0.95A typ.
Efficiency [1] at 100% Load	100Vac	85.0% typ.	84.5% typ.	86.0% typ.	88.0% typ.
	200Vac	86.0% typ.	87.0% typ.	89.0% typ.	91.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2	0.98 typ.	0.99 typ.	0.99 typ.
	200Vac		0.97 typ.	0.98 typ.	0.97 typ.
Leakage Current	100Vac	< 0.1mA	< 0.1mA	< 0.2mA	< 0.2mA
	240Vac	< 0.2mA	< 0.2mA	< 0.4mA	< 0.4mA
MECHANICAL					
Case Cover / Chassis		SGCC			
Dimensions [2] (L × W × H)	mm	105 × 50 × 25.6	132 × 50 × 26.6	155 × 62 × 33.5	160 × 75 × 37
	inch	4.13 × 1.97 × 1.01	5.20 × 1.97 × 1.05	6.10 × 2.44 × 1.32	6.30 × 2.95 × 1.46
Unit Weight [2]	kg	0.11	0.16	0.26	0.29
	lb	0.24	0.35	0.57	0.64
Cooling System		Convection			
MTBF [3]		> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-10°C to +70°C			
Storage Temperature		-25°C to +75°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) Open Frame (without chassis and cover).
3) MTBF as per JEITA RCR-9102B.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJ

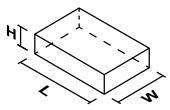
Features

- High PF > 0.97 (for 50W)
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A; Class A and Class D for 50W
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Long life capacitors
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJ-5V15W□NA	PJ-48V50W□NA
Output Voltage		5V	48V
Output Voltage Range		4.50-5.50V	43.2-52.8V
Output Current		3.0A	1.1A
Output Power		15W	52.8W
PARD (20MHz)		< 120mVpp	< 250mVpp
Hold-up Time	100Vac	20ms typ.	20ms typ.
INPUT			
Phase Input		Single Phase	
Input Voltage Range		85-264Vac	
Input Frequency		47-63Hz	
Input Current	100Vac	0.35A typ.	0.65A typ.
	200Vac	0.20A typ.	0.35A typ.
Efficiency [1] at 100% Load	100Vac	78.0% typ.	83.0% typ.
	200Vac	79.5% typ.	85.0% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.
Power Factor	100Vac	Conform to EN 61000-3-2	0.98 typ.
	200Vac		0.97 typ.
Leakage Current	100Vac	< 0.1mA	< 0.1mA
	240Vac	< 0.2mA	< 0.2mA
MECHANICAL			
Case Cover / Chassis		SGCC	
Dimensions [2] (L × W × H)	mm	87.5 × 50 × 22	132 × 50 × 26.6
	inch	3.44 × 1.97 × 0.87	5.20 × 1.97 × 1.05
Unit Weight [2]	kg	0.06	0.16
	lb	0.13	0.35
Cooling System		Convection	
MTBF [3]		> 200,000 hrs	> 200,000 hrs
ENVIRONMENT			
Operating Temperature [4]		-10°C to +70°C	
Storage Temperature		-25°C to +75°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) Open Frame (without chassis and cover).
3) MTBF as per JEITA RCR-9102B.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJB

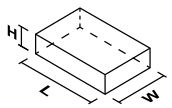
Features

- Power Boost of 200% for 10 seconds
- High PF > 0.97
- Low Inrush Current / Low Leakage Current
- Conforms to harmonic current IEC/EN 61000-3-2, Class A
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Versatile configuration options: Open Frame, L Frame, Enclosed
- Remote ON/OFF option for selected models
- Certified according to IEC/EN/UL 62368-1
- Design compliant with Japan PSE (DENAN) for 150W-300W

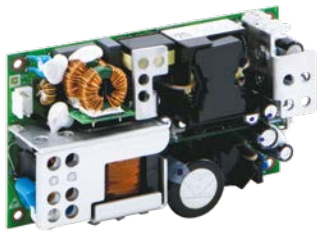
Specifications

OUTPUT		PJB-24V100W□□A	PJB-24V150W□□A	PJB-24V240W□□□	PJB-24V300W□□□
Output Voltage		24V	24V	24V	24V
Output Voltage Range		21.6-26.4V	21.6-26.4V	21.6-26.4V	21.6-26.4V
Output Current		4.3A (8.6A for 10s)	6.3A (12.6A for 10s)	10.0A (20.0A for 10s)	12.5A (22.5A for 10s)
Output Power		103.2W (206.4W for 10s)	151.2W (302.4W for 10s)	240W (480W for 10s)	300W (600W for 10s)
PARD (20MHz)		< 150mVpp			
Hold-up Time	100Vac	20ms typ.	20ms typ.	20ms typ.	20ms typ.
INPUT					
Phase Input		Single Phase			
Input Voltage Range		85-264Vac			
Input Frequency		47-63Hz			
Input Current	100Vac	1.30A typ.	1.90A typ.	2.80A typ.	4.10A typ.
	200Vac	0.65A typ.	0.95A typ.	1.50A typ.	2.00A typ.
Efficiency [1] at 100% Load	100Vac	86.5% typ.	88.0% typ.	91.0% typ.	91.0% typ.
	200Vac	89.0% typ.	90.5% typ.	92.5% typ.	93.5% typ.
Max Inrush Current (Cold Start)	100Vac	15A typ.	15A typ.	15A typ.	15A typ.
	200Vac	30A typ.	30A typ.	30A typ.	30A typ.
Power Factor	100Vac	0.98 typ.	0.98 typ.	0.98 typ.	0.99 typ.
	200Vac	0.97 typ.	0.95 typ.	0.97 typ.	0.95 typ.
Leakage Current	100Vac	< 0.2mA	< 0.2mA	< 0.2mA	< 0.2mA
	240Vac	< 0.4mA	< 0.4mA	< 0.4mA	< 0.4mA
MECHANICAL					
Case Cover / Chassis		SGCC			
Dimensions [2] (L × W × H)	mm	155 × 62 × 33.5	160 × 75 × 37	180 × 84 × 42	222 × 95 × 53.6
	inch	6.10 × 2.44 × 1.32	6.30 × 2.95 × 1.46	7.09 × 3.31 × 1.65	8.74 × 3.74 × 2.11
Unit Weight [2]	kg	0.26	0.31	0.44	0.64
	lb	0.57	0.68	0.97	1.41
Cooling System		Convection			
MTBF [3]		> 200,000 hrs	> 200,000 hrs	> 200,000 hrs	> 200,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-10°C to +70°C			
Storage Temperature		-25°C to +75°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		ITE Application: 0 to 5,000 m (0 to 16,400 ft) PSE Class 1: 0 to 2,000 m (0 to 6,560 ft)	0 to 5,000 m (0 to 16,400 ft)

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) Open Frame (without chassis and cover).
3) MTBF as per JEITA RCR-9102B.
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.



PJH

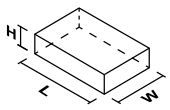
Features

- Certified according to IEC/EN 60335-1 and IEC/EN/UL 62368-1
- Available for Class I or Class II (double isolation) configuration
- 300W with fan cooled and up to 240W convection cooled
- Standard industrial footprint of 3" × 5"
- Built-in active PFC, remote ON/OFF, remote sense, power good signal
- No load input power consumption < 0.5W and low earth leakage current < 0.75mA

Specifications

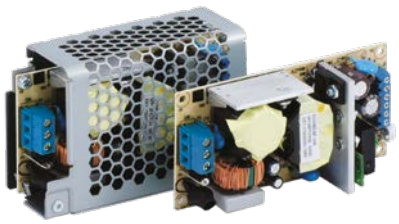
OUTPUT		PJH-24V300WBB□	PJH-24V300WBC□	PJH-36V300WBB□	PJH-36V300WBC□
Output Voltage		V1: 24V, V_{SB}: 5V	V1: 24V, V_{SB}: 12V	V1: 36V, V_{SB}: 5V	V1: 36V, V_{SB}: 12V
Output Voltage Range		V1: 22.8-25.2V, V_{SB}: Fixed	V1: 22.8-25.2V, V_{SB}: Fixed	V1: 34.2-37.8V, V_{SB}: Fixed	V1: 34.2-37.8V, V_{SB}: Fixed
Output Current		V1: 0-12.5A V_{SB}: 0-1.2A	V1: 0-12.5A V_{SB}: 0-0.5A	V1: 0-8.3A V_{SB}: 0-1.2A	V1: 0-8.3A V_{SB}: 0-0.5A
Output Power		240W (Convection) 300W (with 10CFM Forced Air)	240W (Convection) 300W (with 10CFM Forced Air)	240W (Convection) 300W (with 10CFM Forced Air)	240W (Convection) 300W (with 10CFM Forced Air)
PARD (20MHz)		V1: < 240mVpp, V_{SB}: < 120mVpp		V1: < 360mVpp, V_{SB}: < 120mVpp	
Hold-up Time	115Vac	> 10ms	> 10ms	> 10ms	> 10ms
	230Vac				
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	< 4.0A	< 4.0A	< 4.0A	< 4.0A
	230Vac	< 2.0A	< 2.0A	< 2.0A	< 2.0A
Efficiency [1] at 100% Load	115Vac	> 93.0%	> 93.0%	> 93.0%	> 93.0%
	230Vac	> 94.0%	> 94.0%	> 94.0%	> 94.0%
Max Inrush Current (Cold Start)	115Vac	< 20A	< 20A	< 20A	< 20A
	230Vac	< 40A	< 40A	< 40A	< 40A
Power Factor	115Vac	> 0.95	> 0.95	> 0.95	> 0.95
	230Vac				
Leakage Current	240Vac	< 0.75mA	< 0.75mA	< 0.75mA	< 0.75mA
MECHANICAL					
Case Cover / Chassis		–			
Dimensions (L × W × H)	mm	127 × 76.2 × 35.8	127 × 76.2 × 35.8	127 × 76.2 × 35.8	127 × 76.2 × 35.8
	inch	5.00 × 3.00 × 1.41	5.00 × 3.00 × 1.41	5.00 × 3.00 × 1.41	5.00 × 3.00 × 1.41
Unit Weight	kg	0.45	0.45	0.45	0.45
	lb	0.99	0.99	0.99	0.99
Cooling System		Convection / Forced Air			
MTBF [2]		> 700,000 hrs	> 700,000 hrs	> 700,000 hrs	> 700,000 hrs
ENVIRONMENT					
Operating Temperature [3]		-25°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		PD3: 0 to 5,000 m (0 to 16,400 ft) PD2: 0 to 3,000 m (0 to 9,840 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
3) Refer power de-rating in the product datasheet.
4) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJU



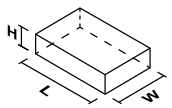
Features

- Zero switch over time from loss of AC to battery operation
- Protection against reverse polarity battery connection
- Built-in diagnostic monitoring for AC OK and Battery Low status
- Overvoltage / Overcurrent / Over Temperature / Short Circuit Protections
- Built-in over current and short circuit protection in Buffering (battery discharging) mode operation
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		PJU-13V60W□A□	PJU-13V60W□B□	PJU-27V60W□A□	PJU-27V60W□B□
Output Voltage		V1: 13.8V, B+: 13.6V	V1: 13.8V, B+: 13.6V	V1: 27.6V, B+: 27.4V	V1: 27.6V, B+: 27.4V
Output Voltage Range		V1: 13.52-14.07V	V1: 13.52-14.07V	V1: 27.04-28.00V	V1: 27.04-28.00V
Output Current		V1: 3.9A, B+: 0.4A	V1: 3.9A, B+: 0.4A	V1: 1.75A, B+: 0.4A	V1: 1.75A, B+: 0.4A
Output Power		60W	60W	60W	60W
PARD (20MHz)		< 100mVpp			
Hold-up Time (100% Load)	115Vac	> 10ms	> 10ms	> 10ms	> 10ms
INPUT					
Phase Input		Single Phase			
Input Voltage Range		90-264Vac			
Input Frequency		47-63Hz			
Input Current	115Vac	< 1.2A	< 1.2A	< 1.2A	< 1.2A
	230Vac	< 0.8A	< 0.8A	< 0.8A	< 0.8A
Efficiency [1] at 100% Load	115Vac	> 85.0%	> 85.0%	> 88.0%	> 88.0%
	230Vac	> 86.0%	> 86.0%	> 89.0%	> 89.0%
Max Inrush Current (Cold Start)	115Vac	< 60A	< 60A	< 60A	< 60A
	230Vac				
Power Factor		Conform to EN 61000-3-2			
Leakage Current	240Vac	< 1mA	< 1mA	< 1mA	< 1mA
MECHANICAL					
Case Cover / Chassis		SECC Steel			
Dimensions [2] (L × W × H)	mm	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6	101.6 × 50.8 × 30.6
	inch	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20	4.00 × 2.00 × 1.20
Unit Weight [2]	kg	0.12	0.12	0.12	0.12
	lb	0.26	0.26	0.26	0.26
Cooling System		Convection			
MTBF [3]		> 350,000 hrs	> 350,000 hrs	> 350,000 hrs	> 350,000 hrs
ENVIRONMENT					
Operating Temperature [4]		-20°C to +70°C			
Storage Temperature		-40°C to +85°C			
Operating Humidity		5 to 95% RH (Non-Condensing)			
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)			

Dimensions Reference



Notes
1) At 25°C ambient temperature.
2) Open frame (without chassis and cover).
3) MTBF as per Telcordia SR-332 (I/P: 115Vac & 230Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

PJL

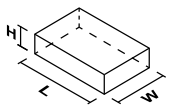
Features

- Low inrush current < 20A
- Up to 90.0% efficiency
- Low earth leakage current < 500μA
- Extreme low temperature operation at -40°C
- Lighting approval to UL 8750, IEC 61347-2-13 and other approvals to IEC/EN/UL 60950-1, IEC/EN/UL 62368-1

Specifications

				NEW
OUTPUT		**PJL-48V200WBAA**	**PJL-48V400WBAA**	**PJL-48V600WLAA**
Output Voltage		48V	48V	48V
Output Voltage Range		48-50Vdc	48-50Vdc	48-50Vdc
Output Current		0-4.17A	0-8.33A	0-12.5A
Output Power		150W (Convection) 200W (with 400 LFM Forced Air)	200W (Convection) 400W (with 400 LFM Forced Air)	300W (Convection) 600W (with 600 LFM Forced Air)
PARD (20MHz) [1]		< 480mVpp	< 680mVpp	< 880mVpp
Hold-up Time (100% Load)	115Vac	> 5ms	> 5ms	> 16ms
	230Vac			
INPUT				
Phase Input		Single Phase		
Input Voltage Range		85-305Vac		
Input Frequency		47-63Hz		
Input Current	115Vac	< 2.20A	< 4.74A	< 6.5A
Efficiency at 100% Load [2]	115Vac	> 85.0%	> 85.0%	> 87.5%
	230Vac	> 90.0%	> 90.0%	> 90.0%
Max Inrush Current (Cold Start)	230Vac	< 20A	< 20A	< 12A
Power Factor	115Vac	> 0.95	> 0.95	> 0.95
	230Vac			
Leakage Current		< 500μA	< 500μA	< 500μA
MECHANICAL				
Case Cover / Chassis		-		
Dimensions (L x W x H)	mm	127.6 × 76.2 × 34.8	127 × 76.6 × 39.3	177.8 × 101.6 × 41.0
	inch	5.02 × 3.00 × 1.38	5.00 × 3.02 × 1.55	7.00 × 4.00 × 1.61
Unit Weight	kg	0.42	0.44	0.82
	lb	0.93	0.97	1.80
Cooling System		Convection / Forced Air		
MTBF [3]		> 500,000 hrs	> 500,000 hrs	> 500,000 hrs
ENVIRONMENT				
Operating Temperature [4]		-40°C to +70°C	-40°C to +80°C	
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000m (0 to 16,400 ft)		

Dimensions Reference



Notes

1) PARD is measured with an AC coupling mode, 5cm wires, and in parallel with 0.1μF ceramic capacitor & 47μF electrolytic capacitor.
2) At 25°C ambient temperature by vertical mounting orientation.
3) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 115Vac, O/P: 100% load).
4) Refer power de-rating in the product datasheet.
5) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

INDUSTRIAL POWER SUPPLIES

DIN Rail Modules

Redundancy Modules

Process Automation | Machine Automation | Renewable Energy

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Hazardous Locations approval to ATEX and Class I, Div 2
- Certified according to IEC/EN/UL 62368-1

Buffer Modules

Process Automation | Machine Automation | Renewable Energy

- Minimum buffering time of:
  - 250ms @ 24V/20A for DRB-24V020AB☐
  - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes:
  Fixed mode at 22Vdc; Dynamic mode for V_{in}-1V
- Support parallel connection to extend buffering time
- Certified according to IEC/EN/UL 62368-1

DC-UPS Module

Building Automation | Process Automation | Machine Automation | Renewable Energy

- Full corrosion resistant aluminium casing
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- Certified according to IEC/EN/UL 62368-1

DC-UPS Module

Building Automation | Process Automation | Machine Automation | Renewable Energy

- Suitable for 24V system up to 10A
- Zero switch over time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- Certified according to IEC/EN/UL 62368-1

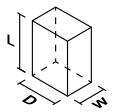
Features

- Wide input and output range of 22-60Vdc
- Very wide operating temperature from -40°C to +80°C
- Built-in 2 channel DC OK signal and alarm relay contact
- Support N+1 Redundancy connection
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2
- IP20 Certified
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRR-20□	DRR-40□
Output Current		Normal mode = 0-20Amps; Short Circuit or Overload = 25Amps max	Normal mode = 0-40Amps; Short Circuit or Overload = 50Amps max
Voltage Drop (V_{in} - V_{out})		Typical 0.65V	
INPUT			
Input Voltage Range		22-60Vdc	
Input Current		(1+1 Redundancy) = Nom. 2 x 12.5Amps (N+1 Redundancy) = Nom. 2 x 10Amps (Single use) = Nom. 20Amps	(1+1 Redundancy) = Nom. 2 x 25Amps (N+1 Redundancy) = Nom. 2 x 20Amps (Single use) = Nom. 40Amps
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L × W × D)	mm	121 × 50 × 122.1	121 × 50 × 122.1
	inch	4.76 × 1.97 × 4.81	4.76 × 1.97 × 4.81
Unit Weight	kg	0.38	0.52
	lb	0.84	1.15
Cooling System		Convection	
LED Indicators		Green LED DC OK: V_{in}1 and V_{in}2	
MTBF [1]		> 800,000 hrs	> 800,000 hrs
ENVIRONMENT			
Operating Temperature [2]		-40°C to +80°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 2,500 m (0 to 8,200 ft)	

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

Buffer Modules

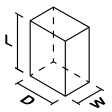
Features

- Minimum buffering time of:
  - 250ms @ 24V/20A for DRB-24V020AB☐
  - 200ms @ 24V/40A for DRB-24V040ABN
- Flexible operating buffering voltage modes:
  Fixed mode at 22Vdc; Dynamic mode for V_{in}-1V
- Support parallel connection to extend buffering time
- Conformal coating on PCBAs to protect against common dust and chemical pollutants
- Hazardous Locations approval to ATEX and Class I, Div 2 (DRB-24V020ABA)
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRB-24V020AB☐	DRB-24V040ABN
Output Voltage		24Vdc typ. (Depends on V_{in})	24Vdc typ. (Depends on V_{in})
Output Voltage Range		22-28V (Switch = "Fix 22V" buffering starts if terminal voltage falls below 22V) (Switch = "V_{in} - 1V" buffering starts if terminal voltage is decreased by more than 1V)	
Output Current		20.0A Max	40.0A Max
PARD (20MHz)		< 200mVpp, Buffering Mode	< 350mVpp, Buffering Mode
Buffer Time		250ms Min @ 24V/20A load, 5s Min @ 24V/1A load	200ms Min @ 24V/40A load, 8s Min @ 24V/1A load
INPUT			
Input Voltage Range		22.8-28.8Vdc	
Input Current		Charging Mode: < 0.6A	Charging Mode: < 0.6A
Input Power		2.5W average (Standby Mode)	
Charging Time		< 30s	< 40s
Polarity Protection		Yes	Yes
MECHANICAL			
Case Cover / Chassis		Aluminium	
Dimensions (L × W × D)	mm	121 × 70 × 120.1	121 × 70 × 120.1
	inch	4.76 × 2.76 × 4.73	4.76 × 2.76 × 4.73
Unit Weight	kg	0.76	0.90
	lb	1.68	1.98
Cooling System		Convection	
LED Indicators		Green LED Off = Unit is discharged or V_{in} < 22Vdc Green LED On = Unit is fully charged (Ready) Green LED Flashing Slowly (1Hz) = Unit is charging Green LED Flashing Quickly (10Hz) = Unit is dischaging (Buffering)	
MTBF [1]		> 800,000 hrs	> 800,000 hrs
ENVIRONMENT			
Operating Temperature [2]		-25°C to +75°C	
Storage Temperature		-25°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 2,500 m (0 to 8,200 ft)	

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DC-UPS Module

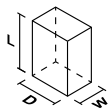
Features

- Full corrosion resistant aluminium casing
- Suitable for 24V system up to 40A
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs per Telcordia SR-332
- Conformal coating option on PCBAs to protect against common dust and chemical pollutants
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRU-24V40ABN
Output Voltage Range		23-28Vdc
Output Current		40.0A Max
Output Power		960W Max
INPUT		
Input Voltage Range		24-28Vdc
Input Current		Charging Mode: 2.0A ± 1.0A
Charging Time		< 3hr ± 1 hr (for battery 24V/15AH)
Efficiency		Charging Mode: > 70.0% Buffering Mode: > 99.0%
MECHANICAL		
Case Cover / Chassis		Aluminium
Dimensions (L × W × D)	mm	121 × 50 × 117.3
	inch	4.76 × 1.97 × 4.62
Unit Weight	kg	0.60
	lb	1.32
Cooling System		Convection
LED Indicators		Green LED ON = Battery is fully charged Green LED Flashing = Battery is charging Orange LED ON = Battery 24V or DC 24V reverse polarity Orange LED Flashing = Battery is discharging Red LED ON = Battery fail (no battery is connected)
MTBF [1]		> 500,000 hrs
ENVIRONMENT		
Operating Temperature [2]		-20°C to +60°C
Storage Temperature		-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

DC-UPS Module

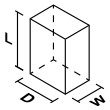
Features

- Suitable for 24V system up to 10A
- Zero switch over time from loss of DC input to battery operation
- Built-in diagnostic monitoring for DC OK, Discharge and Battery Fail by relay contacts
- Full power for the entire temperature range from -20°C to +60°C
- LED indicator for DC OK, Battery Charging, Battery Discharging, Battery Fail and Battery Reverse Polarity
- High MTBF > 500,000 hrs as per Telcordia SR-332
- Certified according to IEC/EN/UL 62368-1

Specifications

OUTPUT		DRU-24V10ACZ
Output Voltage Range		23-28Vdc
Output Current		10.0A Max
Output Power		240W Max
INPUT		
Input Voltage Range		24-28Vdc
Input Current		Charging Mode: 0.5A ± 0.1A
Charging Time		< 25hr ± 5 hr (for battery 24V/12AH)
Efficiency		Charging Mode: > 70.0% Buffering Mode: > 99.0%
MECHANICAL		
Case Cover / Chassis		Plastic
Dimensions (L × W × D)	mm	91 × 71 × 55.6
	inch	3.58 × 2.80 × 2.19
Unit Weight	kg	0.14
	lb	0.31
Cooling System		Convection
LED Indicators		Green LED ON = Battery is fully charged Green LED Flashing = Battery is charging Orange LED ON = Battery 24V or DC 24V reverse polarity Orange LED Flashing = Battery is discharging Red LED ON = Battery fail (no battery is connected)
MTBF [1]		> 500,000 hrs
ENVIRONMENT		
Operating Temperature [2]		-20°C to +60°C
Storage Temperature		-40°C to +85°C
Operating Humidity		5 to 95% RH (Non-Condensing)
Operating Altitude		0 to 3,000 m (0 to 9,840 ft)

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (Confidence level: 90%, I/P: 24Vdc, O/P: 100% load) for vertical mounting orientation.
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

INDUSTRIAL POWER SUPPLIES

Adapter

ADT

Test & Measurement

- Up to 89% efficiency
- Meet efficiency DoE Level VI & CoC Tier 2
- No load power consumption < 0.15W
- Protection: short circuit / over voltage / overload / over temperature

ADT

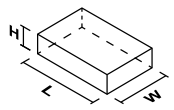
Features

- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature

Specifications

OUTPUT		ADT-060A12A□	ADT-150B12AA	ADT-060A15A□
Output Voltage		12V	12V	15V
Output Current (Max)		5.0A	12.5A	4.0A
Output Power		60W	150W	60W
PARD (20MHz)		< 240mVpp @ 0°C to +40°C, < 480mVpp @ -10°C to 0°C	< 240mVpp @ 0°C to +40°C, < 480mVpp @ -10°C to 0°C	< 300mVpp @ 0°C to +40°C, < 600mVpp @ -10°C to 0°C
Hold-up Time	115Vac	12ms typ.	40ms typ.	12ms typ.
	230Vac	60ms typ.	-	60ms typ.
INPUT				
Input Voltage Range		85-264Vac	90-264Vac	85-264Vac
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.4A	< 2.0A	< 1.4A
	230Vac	< 1.0A	< 1.0A	< 1.0A
Efficiency at 100% Load	115Vac	87.6% typ.	89.0% typ.	87.9% typ.
	230Vac	90.2% typ.	90.0% typ.	90.0% typ.
Max Inrush Current (Cold Start)		No damage	No damage	No damage
Power Factor	230Vac	-	> 0.90	-
Leakage Current	240Vac	< 0.1mA	< 0.1mA	< 0.1mA
MECHANICAL				
Dimensions (L × W × H)	mm	108 × 46 × 29.5	155 × 76 × 30	108 × 46 × 29.5
	inch	4.25 × 1.81 × 1.16	6.10 × 3.00 × 1.20	4.25 × 1.81 × 1.16
Unit Weight	kg	0.18	0.54	0.18
	lb	0.40	1.19	0.40
Connector Type		ADT-060A□AA: Input: C6; Output: Tuning fork ADT-060A□AB: Input: C8; Output: Tuning fork ADT-150B12AA: Input: C6; Output: Barrel type		
Cooling System		Convection		
MTBF [1]		> 700,000 hrs	> 300,000 hrs	> 700,000 hrs
ENVIRONMENT				
Operating Temperature [2]		-10°C to +60°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
Protection Against Shock		Class II	Class I	Class II

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (ADT-060A12A and ADT-060A15A: I/P: 115Vac, O/P: 100% load; ADT-150B12AA: I/P: 100Vac, O/P: 100% load).
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

ADT

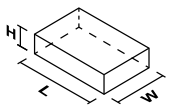
Features

- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature

Specifications

			NEW	NEW
OUTPUT		**ADT-060A19A□**	**ADT-120A19AA**	**ADT-150A19AA**
Output Voltage		19V	19.5V	19.5V
Output Current (Max)		3.2A	6.15A	7.7A
Output Power		60.8W	120W	150W
PARD (20MHz)		< 380mVpp @ 0°C to +40°C, < 760mVpp @ -10°C to 0°C	< 380mVpp @ 0°C to +40°C, < 760mVpp @ -10°C to 0°C	
Hold-up Time	115Vac	12ms typ.	> 20ms	> 16ms
	230Vac	60ms typ.		
INPUT				
Input Voltage Range		85-264Vac	90-264Vac	
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.4A	< 1.4A	< 1.8A
	230Vac	< 1.0A	< 0.7A	< 0.9A
Efficiency at 100% Load	115Vac	87.6% typ.	90.0% typ.	90.0% typ.
	230Vac	90.2% typ.	91.5% typ.	91.5% typ.
Max Inrush Current (Cold Start)		No damage	No damage	No damage
Power Factor	230Vac	-	> 0.9	> 0.9
Leakage Current	240Vac	< 0.1mA	< 0.1mA	< 0.25mA
MECHANICAL				
Dimensions (L × W × H)	mm	108 × 46 × 29.5	138 × 68.5 × 24.5	160 × 76.2 × 25.8
	inch	4.25 × 1.81 × 1.16	5.43 × 2.70 × 0.96	6.30 × 3.00 × 1.02
Unit Weight	kg	0.18	0.34	0.41
	lb	0.40	0.75	0.90
Connector Type		ADT-060A19AA, ADT-120B19AA: Input: C6; Output: Tuning fork ADT-060A19AB: Input: C8; Output: Tuning fork ADT-150A19AA: Input: C6; Output: Barrel type		
Cooling System		Convection		
MTBF [1]		> 700,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT				
Operating Temperature [2]		-10°C to +60°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
Protection Against Shock		Class II	Class I	

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

ADT

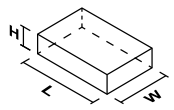
Features

- Meet efficiency DoE Level VI
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature

Specifications

OUTPUT		ADT-060A24A□	ADT-090A24AA	ADT-120A24AA
Output Voltage		24V	24V	24V
Output Current (Max)		2.5A	3.75A	5.0A
Output Power		60W	90W	120W
PARD (20MHz)		< 480mVpp @ 0°C to +40°C, < 960mVpp @ -10°C to 0°C	< 240mVpp @ 0°C to +40°C, < 480mVpp @ -10°C to 0°C	
Hold-up Time	115Vac	12ms typ.	40ms typ.	40ms typ.
	230Vac	60ms typ.	-	-
INPUT				
Input Voltage Range		85-264Vac	90-264Vac	
Input Frequency		47-63Hz		
Input Current	115Vac	< 1.4A	< 1.3A	< 1.85A
	230Vac	< 1.0A	< 0.6A	< 1.0A
Efficiency at 100% Load	115Vac	88.8% typ.	90.0% typ.	91.0% typ.
	230Vac	90.1% typ.	91.5% typ.	92.0% typ.
Max Inrush Current (Cold Start)		No damage	No damage	No damage
Power Factor	230Vac	-	> 0.9	> 0.9
Leakage Current	240Vac	< 0.1mA	< 0.1mA	< 250μA
MECHANICAL				
Dimensions (L × W × H)	mm	108 × 46 × 29.5	126 × 51 × 30	138 × 68.5 × 24.5
	inch	4.25 × 1.81 × 1.16	4.96 × 2.00 × 1.18	5.43 × 2.70 × 0.96
Unit Weight	kg	0.18	0.18	0.34
	lb	0.40	0.40	0.75
Connector Type		ADT-060A24AA, ADT-120A24AA: Input: C6; Output: Tuning fork ADT-090A24AA: Input: C6; Output: Barrel type ADT-060A24AB: Input: C8; Output: Tuning fork		
Cooling System		Convection		
MTBF [1]		> 700,000 hrs	> 300,000 hrs	> 300,000 hrs
ENVIRONMENT				
Operating Temperature [2]		-10°C to +60°C		
Storage Temperature		-40°C to +85°C		
Operating Humidity		5 to 95% RH (Non-Condensing)		
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)		
Protection Against Shock		Class II	Class I	

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

ADT

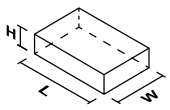
Features

- Meet efficiency DoE Level VI & CoC Tier 2
- No load power consumption < 0.15 W
- Fully enclosed plastic case
- Protection: short circuit / over voltage / overload / over temperature

Specifications

			NEW
OUTPUT		**ADT-150A24AA**	**ADT-150C24AC**
Output Voltage		24V	24V
Output Current (Max)		6.25A	6.25A
Output Power		150W	150W
PARD (20MHz)		< 240mVpp @ 0°C to +40°C, < 480mVpp @ -10°C to 0°C	< 240mVpp @ 0°C to +40°C, < 480mVpp @ -10°C to 0°C
Hold-up Time	115Vac	30ms typ.	16ms typ.
	230Vac	-	-
INPUT			
Input Voltage Range		90-264Vac	
Input Frequency		47-63Hz	
Input Current	115Vac	< 1.85A	< 1.85A
	230Vac	< 1.0A	< 1.0A
Efficiency at 100% Load	115Vac	91.0% typ.	90.0% typ.
	230Vac	92.0% typ.	91.0% typ.
Max Inrush Current (Cold Start)		No damage	No damage
Power Factor	230Vac	> 0.9	> 0.9
Leakage Current	240Vac	< 250μA	< 0.25mA
MECHANICAL			
Dimensions (L × W × H)	mm	160 × 76.2 × 25.8	165.1 × 76.1 × 31.5
	inch	6.30 × 3.00 × 1.02	6.50 × 3.00 × 1.24
Unit Weight	kg	0.41	0.47
	lb	0.90	1.04
Connector Type		ADT-150A24AA: Input: C6, Output: Tuning fork ADT-150C24AC: Input: C14, Output: 4-pin DIN	
Cooling System		Convection	
MTBF [1]		> 300,000 hrs	> 300,000 hrs
ENVIRONMENT			
Operating Temperature [2]		-10°C to +60°C	
Storage Temperature		-40°C to +85°C	
Operating Humidity		5 to 95% RH (Non-Condensing)	
Operating Altitude		0 to 5,000 m (0 to 16,400 ft)	
Protection Against Shock		Class I	

Dimensions Reference



Notes
1) MTBF as per Telcordia SR-332 (I/P: 115Vac, O/P: 100% load).
2) Refer power de-rating in the product datasheet.
3) All parameters are specified at 25°C ambient temperature unless otherwise indicated.

ALTERNATE MODEL LIST

LYTE

Building Automation | Process Automation | Factory Automation | Machine Automation

- Slim form factor
- Built-in constant current circuit for reactive loads
- Built-in DC OK relay contact (optional)
- Compliance to SEMI F47 @ 200Vac
- 15kV Air Discharge & 8kV Contact Discharge ESD immunity
- Certified according to IEC/EN/UL 62368-1

Series	Model Name*	Phase 1	PFC	Output Voltage	Output Current	Output Power	Recommended LYTE II Model Name	Page
LYTE • Competitively priced • Built-in constant current circuit	DRL-24V120W1A☐	●		24V	5.0A	120W	DRL-24V120W1EN☐	33
	DRL-24V240W1A☐	●	●		10.0A	240W	DRL-24V240W1EN☐	
	DRL-48V120W1A☐	●		48V	2.5A	120W	DRL-48V120W1EN	34

* Please visit www.DeltaPSU.com for product detail specifications.

PMT

Building Automation | Process Automation | Factory Automation | Machine Automation | Test & Measurement | LED Lighting | Food & Beverage

- AC input voltage selectable by switch (Universal AC input voltage range for selected models only)
- Conforms to harmonic current IEC/EN 61000-3-2, Class A (except 200W and 350W)
- Versatile configuration options: Open Frame, L Frame, Enclosed

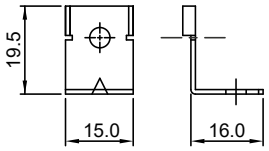
Series	Model Name*	Phase 1	PFC	Output Voltage	Output Current	Output Power	Recommended PMT2 Model Name	Page
PMT • AC input voltage selectable switch • High MTBF	PM☐-12V35W1A☐	●		12V	2.92A	35W	PMT-12V35W2BA☐	41
	PM☐-12V50W1A☐	●			4.2A	50W	PMT-12V50W2BA☐	
	PM☐-12V100W1A☐	●			8.5A	102W	PMT-12V100W2BA☐	
	PM☐-12V150W1A☐	●			12.5A	150W	PMT-12V150W2BA☐	42
	PMT-12V350W1A☐	●			29.0A	348W	PMT-12V350W2BR☐	
	PM☐-15V50W1A☐	●		15V	3.4A	51W	PMT-15V50W2BA	43
	PM☐-24V35W1A☐	●		24V	1.46A	35W	PMT-24V35W2BA☐	44
	PM☐-24V50W1A☐	●			2.09A	50W	PMT-24V50W2BA☐	
	PM☐-24V100W1A☐	●			4.5A	108W	PMT-24V100W2BA☐	
	PM☐-24V150W1A☐	●			6.5A	156W	PMT-24V150W2BA☐	45
	PMT-24V350W1AM	●			14.6A	350.4W	PMT-24V350W2BM☐	
	PMT-24V350W1AR	●			14.6A	350.4W	PMT-24V350W2BR☐	
	PMT-36V350W1A☐	●		36V	9.7A	349.2W	PMT-36V350W2BR	48
	PM☐-48V150W1A☐	●		48V	3.3A	158.2W	PMT-48V150W2BA	50
	PMT-48V350W1A☐	●			7.3A	350W	PMT-48V350W2BR	

* Please visit www.DeltaPSU.com for product detail specifications.

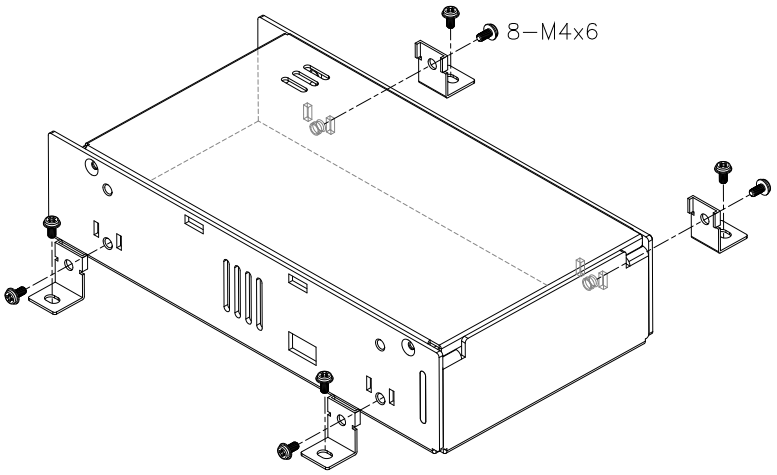
ACCESSORIES

Panel Mount Accessories

- **LM-01**



Accessories Assembly



Model Information

Item	Model Number	Compatible Models
	LM-01	PMT-12V350W2B☐☐ PMT-24V350W2B☐☐ PMT-36V350W2B☐ PMT-48V350W2B☐ PMF-4V320WC☐☐ PMF-5V320WC☐☐ PMF-24V240WC☐☐, PMF-24V320WC☐☐ PMR-4V320WC☐A, PMR-4V320WD☐A PMR-5V320WC☐A, PMR-5V320WD☐A

FAQs

What is Power Boost?

It is the reserve power available constantly that allows reliable startup of loads with high outrush current.

Why is Power Boost beneficial?

Such feature is especially useful for applications where loads are active; the high surge current can cause the power supply unit (PSU) output to dip down if the PSU does not have the capability to withstand this surge current. Consequently, this could reset the system and result in system downtime.

What is Advanced Power Boost (APB)?

Within a multiple loads connection, Advanced Power Boost (APB) can detect a faulty current path and provide a large outrush current to trip the circuit breaker connected to the faulty path. This prevents the system from shutting down while the other connected current paths continue to operate without interruption.

What should I consider when selecting a power supply unit (PSU)?

- Input Type (Single Phase or 3 Phase)
- Output Power
- Efficiency and Reliability

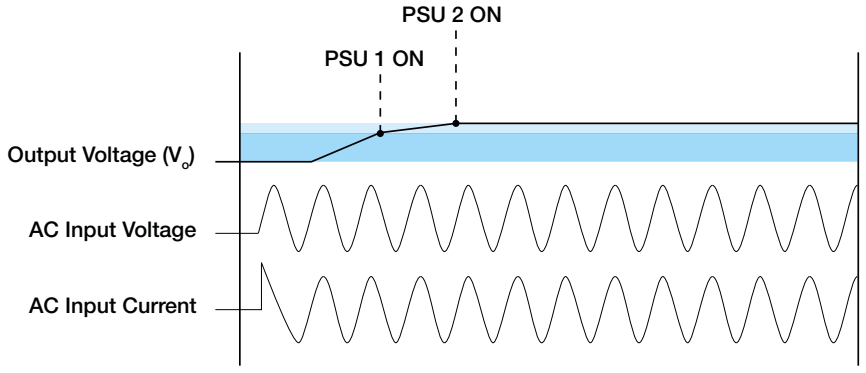
Efficiency and Reliability are the two most important factors to consider in selecting a PSU.

The best way to ensure the reliability of the PSU is to choose one that provides a maximum of 30% more output than your actual total requirement. For example, if your system has a 90W power requirement, you should choose a PSU with at least 120W power output rating. By doing so, you are boosting the reliability of the PSU as well as prolonging the entire system life.

An efficient PSU will thus ensure that power loss is minimized and will greatly help to lower your operating costs in the long run. By choosing a cheaper, but less efficient PSU will just mean that you are paying for it through your monthly electric bills. Delta's CliQ DIN rail power supply easily give our users a substantial efficiency of up to 87% or more even when operating at <100% load. Other factors to consider include the operating conditions, types of safety certifications, PSU protection and application functions. Please contact your nearest Delta sales representative for a recommendation based on your requirements.

What critical parameters do I have to watch out for when connecting the power supplies in series?

The turn ON would be non-monotonic as the power supply with the fastest startup time and rise time will turn on first. As a result, the startup waveform with 2 power supplies connected in series would see a step.



STANDARDS & APPROVALS

Industrial Power Supplies

	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	SIQ or TUV to EN 60950-1	SIQ or TUV to EN 62368-1	UL 60950-1	UL 62368-1	UL 508	UL 1310	NEC Class 2	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	BIS (India)	BSMI (Taiwan)	CCC (China)	EAC (Eurasian Customs Union)	KC (Korea)	UKCA (United Kingdom)	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	SEMI F47	EN 61204-3	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55024 (Immunity)	EN 55011 Class B (Emissions)	EN 55032 Class B (Emissions)
DIN Rail Power Supply																																
DRP012V015W1AY	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●			●	●	●	●	●	●	●
DRP012V015W1AZ	●	●	●	●	●	●	●	●			●							●		●	●	●			●	●	●	●	●	●	●
DRP012V030W1AY	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●			●	●	●	●	●	●	●
DRP012V030W1AZ	●	●	●	●	●	●	●	●			●							●	●	●	●	●			●	●	●	●	●	●	●
DRP012V060W1AA	●	●	●	●	●	●	●	●			●		●	●				●	●	●	●	●			●	●	●	●	●	●	●
DRP012V100W1AA	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●			●	●	●	●	●	●	●
DRP-24V48W1AZ	●	●	●	●	●	●	●	●			●						●	●	●	●	●	●			●	●		●	●	●	●
DRP024V060W1AZ	●	●	●	●	●	●	●	●			●	●			●			●	●	●	●	●			●	●	●		●	●	●
DRP024V060W1AA	●	●	●	●	●	●	●	●			●	●	●	●				●		●	●	●	●		●	●			●	●	●
DRP024V120W1AA	●	●	●	●	●	●	●	●			●	●	●	●				●	●	●	●	●	●		●	●	●		●	●	●
DRP024V240W1AA	●	●	●	●	●	●	●	●			●	●	●	●				●	●	●	●	●	●		●	●			●	●	●
DRP024V480W1AA	●	●	●	●	●	●	●	●			●	●	●	●				●		●	●	●	●		●	●	●		●	●	●
DRP024V060W1BA	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●		●	●	●	●	●	●	●	●
DRP024V060W1BN	●	●	●	●	●	●	●	●			●							●	●	●	●	●		●	●	●	●	●	●	●	●
DRP024V120W1BA	●	●	●	●	●	●	●	●			●		●	●			●	●		●	●	●		●	●	●	●	●	●	●	●
DRP024V120W1BN	●	●	●	●	●	●	●	●			●						●	●	●	●	●	●		●	●	●	●	●	●	●	●
DRP024V240W1BA	●	●	●	●	●	●	●	●			●		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
DRP024V240W1BN	●	●	●	●	●	●	●	●			●				●	●	●	●	●	●	●	●		●	●	●	●	●	●	●	●
DRP024V480W1BA	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●		●	●	●		●	●	●	●
DRP024V480W1BN	●	●	●	●	●	●	●	●			●							●	●	●	●	●		●	●	●		●	●	●	●
DRP024V060W1NY	●	●	●	●	●	●	●	●	●	●	●		●	●				●		●	●	●		●	●	●		●	●	●	●
DRP024V060W1NZ	●	●	●	●	●	●	●	●	●	●	●							●		●	●	●		●	●	●		●	●	●	●
DRP-24V100W1NN	●	●	●	●	●	●	●	●	●	●	●							●		●	●	●		●	●	●		●	●	●	●
DRP-24V120W2BN	●	●	●	●	●	●	●	●			●							●		●	●	●		●	●	●		●	●	●	●
DRP-24V240W2BN	●	●	●	●	●	●	●	●			●							●		●	●	●		●	●	●		●	●	●	●
DRP024V060W3BA	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●		●	●	●		●	●	●	●
DRP024V060W3BN	●	●	●	●	●	●	●	●			●							●		●	●	●		●	●	●		●	●	●	●
DRP024V120W3BA	●	●	●	●	●	●	●	●			●		●	●	●			●	●	●	●	●		●	●	●		●	●	●	●
DRP024V120W3BN	●	●	●	●	●	●	●	●			●				●			●	●	●	●	●		●	●	●		●	●	●	●
DRP024V240W3BA	●	●	●	●	●	●	●	●			●		●	●	●			●		●	●	●		●	●	●		●	●	●	●
DRP024V240W3BN	●	●	●	●	●	●	●	●			●				●			●		●	●	●		●	●	●		●	●	●	●
DRP024V480W3BA	●	●	●	●	●	●	●	●			●		●	●	●			●		●	●	●		●	●	●		●	●	●	●
DRP024V480W3BN	●	●	●	●	●	●	●	●			●				●			●	●	●	●	●		●	●	●		●	●	●	●
DRP024V960W3BN	●	●	●	●	●	●	●	●			●				●			●		●	●	●		●	●	●		●	●	●	●
DRP048V060W1BA	●	●	●	●	●	●	●	●			●		●	●				●		●	●	●		●	●	●	●	●	●	●	●
DRP048V060W1BN	●	●	●	●	●	●	●	●			●							●		○	●	●		●	●	●	●	●	●	●	●
DRP048V120W1BA	●	●	●	●	●	●	●	●			●		●	●			●	●		●	●	●		●	●	●	●	●	●	●	●
DRP048V120W1BN	●	●	●	●	●	●	●	●			●						●	●		●	●	●		●	●	●	●	●	●	●	●
DRP048V240W1BA	●	●	●	●	●	●	●	●			●		●	●	●	●	●	●	●	○	●	●		●	●	●	●	●	●	●	●
DRP048V240W1BN	●	●	●	●	●	●	●	●			●				●	●	●	●	●	○	●	●		●	●	●	●	●	●	●	●
DRP048V480W1BA	●	●	●	●	●	●	●	●			●		●	●	●			●		●	●	●		●	●	●		●	●	●	●
DRP048V480W1BN	●	●	●	●	●	●	●	●			●				●			●		●	●	●		●	●	●		●	●	●	●

Please visit www.DeltaPSU.com to check the certification status.

● Certified
○ Pending
△ Compliant

	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	CB Scheme to IEC 61558-1, IEC 61558-2-16	CB Scheme to IEC 61010-1	CB Scheme to IEC 60335-1	SIQ or TUV to EN 60950-1	SIQ or TUV to EN 62368-1	SIQ to EN 61558-1, EN 61558-2-16	SIQ to EN 61010-1	TUV to EN 60335-1	UL 60950-1	UL 62368-1	UL 508	NEC Class 2	CSA C22.2 No. 107.1-01	BSMI (Taiwan)	CCC (China)	EAC (Eurasian Customs Union)	KC (Korea)	UKCA (United Kingdom)	DNV GL (Maritime)	ABS	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	SEMI F47	EN 61204-3	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55035 (Immunity)	EN 55011 Class B (Emissions)	EN 55014-1 (Emissions)	EN 55032 Class A (Emissions)	EN 55032 Class B (Emissions)	EN 61000-6-3 (Emissions)	EN 61000-6-4 (Emissions)	FCC Part 15 Class B (Emissions)
DIN Rail Power Supply																																								
DRP-24V120W1C□N	●	●	●				●	●				●	●	●					●		○			●	●	△	●	●	●		●		●				●				
DRP-24V240W1C□N	●	●	●				●	●				●	●	●					●		○			●	●	△	●	●	●		●		●				●				
DRP-24V480W1C□N	●	●	●				●	●				●	●	●					●		○			●	●	△	●	●	●		●		●				●				
DRM-24V80W1PN	●	●	●	●	●		●	●	●	●		●	●	●		●			●	●	○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V120W1PN	●	●	●	●	●		●	●	●	●		●	●	●		●			●	●	○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V240W1PN	●	●	●	●	●		●	●	●	●		●	●	●		●			●	●	○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V480W1PN	●	●	●	●	●		●	●	●	●		●	●	●		●			●	●	○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V960W1PN	●	●	●	●	●		●	●	●	●		●	●	●		●			●	●	○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V480W1SN	●	●	●		●		●	●				●	●	●							○			●	○	△	●	●	●		●		●				●	●			●
DRM-24V480W3PN	●	●	●	●	●		●	●				●	●	●							○	●	●	●	●	△	●	●	●		●		●				●	●			
DRM-24V960W3PN	●	●	●	●	●		●	●				●	●	●							○	●	●	●	●	△	●	●	●		●		●				●	●			
DRV-24V120W1PN	●	●	●		●		●	●			●	●	●	●							○			●	●	△	●	●	●		●		●				●	●			
DRV-24V240W1PN	●	●	●		●		●	●			●	●	●	●							○			●	●	△	●	●	●		●		●				●	●			
DRV-24V480W1PN	●	●	●		●		●	●			●	●	●	●							○			●	●	△	●	●	●		●		●				●	●			
DRL-12V75W1AZ	●	●	●		●			●					●				●	●	●	●	●			●	●	△	●	●	●	△	△		●	●			●	△	△		
DRL-24V75W1AZ	●	●	●		●			●					●				●	●	●	●	●			●	●	△	●	●	●	△	△		●	●			●	△	△		
DRL-24V480W1A□	●	●	●				●	●				●	●	●				●	●	●	●			●	●	△	●	●	●	●	●		●		●			●	●	●	
DRL-48V75W1AZ	●	●	●		●			●					●				●	●	●	●	●			●	●	△	●	●	●	△	△		●	●			●	△	△		
DRL-12V120W1EN	●	●	●		●			●					●				●	●	●		●			●	●	△	●	●	●	△	●			●			●	△	●		
DRL-12V240W1EN	●	●	●		●			●					●				●	●	●		●			●	●	△	●	●	●	△	●			●			●	△	●		
DRL-24V120W1EN□	●	●	●		●			●					●				●	●	●	●	●			●	●	△	●	●	●	△	●			●			●	△	●		
DRL-24V240W1EN□	●	●	●		●			●					●				●	●	●	●	●			●	●	△	●	●	●	△	●			●			●	△	●		
DRL-48V120W1EN	●	●	●		●			●					●				●	●	●		●			●	●	△	●	●	●	△	●			●			●	△	●		
DRL-48V240W1EN	●	●	●		●			●					●				●	●	●		●			●	●	△	●	●	●	△	●			●			●	△	●		
DRC-5V10W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●				●						●				
DRC-12V10W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●				●						●				
DRC-12V30W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●				●						●				
DRC-12V60W1A□	●	●	●				●	●				●	●	●	●				●	●	●			●	●			●	●			●					●					
DRC-12V60W1C□	●	●	●									●	●								●			●	●			●	●			●						●				
DRC-12V100W1AZ	●	●	●				●	●				●	●	●					●		●			●	●			●	●			●						●				
DRC-24V10W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●	●			●						●				
DRC-24V10W1HZ	●	●	●			●	●	●			●	●	●		●				●		●			●	●			●	●			●			●			●				
DRC-24V30W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●	●			●						●				
DRC-24V60W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●	●			●					●					
DRC-24V100W1A□	●	●	●				●	●				●	●	●	●				●		●			●	●			●	●			●						●				
DRS-5V30W1NZ	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-5V50W1A□	●	●	●				●	●				●	●	●					●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-5V50W1N□	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-12V50W1N□	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-24V30W1AZ	●	●	●				●	●				●	●	●	●			●			●			●	●			●	●			●						●				
DRS-24V30W1NZ	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-24V50W1N□	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-24V100W1A□	●	●	●				●	●				●	●	●					●		○			●	●		●	●	●	●	●	●		●				●	●	●		
DRS-24V100W1N□	●	●	●				●	●				●	●	●	●				●		○			●	●		●	●	●	●	●	●		●				●	●	●		

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△ Compliant

STANDARDS & APPROVALS

Industrial Power Supplies

Panel Mount Power Supply	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	CB Scheme to IEC 61558-1, IEC 61558-2-16	CB Scheme to IEC 60335-1	TUV to EN 60950-1	TUV to EN 62368-1	TUV to EN 61558-1, EN 61558-2-16	TUV to EN 60335-1	UL 60950-1	UL 62368-1	NEC Class 2	BSMI	CCC (China)	EAC (Eurasian Customs Union)	KC (Korea)	UKCA (United Kingdom)	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55035 (Immunity)	EN 55011 Class B (Emissions)	EN 55032 Class B (Emissions)	EN 55014-1 (Emissions)	EN 61000-6-3 (Emissions)	EN 61000-6-4 (Emissions)
PMT-12V35W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-12V50W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-12V75W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-12V100W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-12V150W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-12V150W2CA□	●	●	●	●	●		●	●	●		●		●	△	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-12V200W2BM□		●	●								●				●			●	●												
PMT-12V200W2BR□	●	●	●	●	●		●	●	●		●		●	△	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-12V350W2BM□		●	●								●				●			●	●												
PMT-12V350W2BR□	●	●	●				●				●		●		●	●	●	●	●		●	△	●		●	●		●		△	●
PMT-15V35W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-15V50W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-15V75W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-15V100W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-15V150W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-15V150W2CA	●	●	●	●	●		●	●	●		●		●	△	●		●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V35W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-24V50W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-24V75W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V100W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V150W2BA□	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V150W2CA□	●	●	●	●	●		●	●	●		●		●	△	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V200W2BM□		●	●								●				●			●	●												
PMT-24V200W2BR□	●	●	●	●	●		●	●	●		●		●	△	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-24V350W2BM□		●	●								●				●			●	●												
PMT-24V350W2BR□	●	●	●				●				●		●		●	●	●	●	●		●	△	●		●	●		●		△	●
PMT-30V35W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-30V50W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-30V75W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-30V100W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-30V150W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-30V150W2CA	●	●	●	●	●		●	●	●		●		●	△	●		●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V35W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-36V50W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-36V75W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V100W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V150W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V150W2CA	●	●	●	●	●		●	●	●		●		●	△	●		●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V200W2BM		●	●								●				●			●	●												
PMT-36V200W2BR	●	●	●	●	●		●	●	●		●		●	△	●		●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-36V350W2BM		●	●								●				●			●	●												
PMT-36V350W2BR	●	●	●				●				●		●		●		●	●	●		●	△	●		●	●		●		△	●
PMT-48V35W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-48V50W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	△	△	●	●		●	△	△	△
PMT-48V75W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-48V100W2BA	●	●	●	●	●		●	●	●		●		●	●	●	●	●	●	●	●	●	△	●	△	●	●		●	△	△	●

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○ Pending
△ Compliant

	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	CB Scheme to IEC 61558-1, IEC 61558-2-16	CB Scheme to IEC 60335-1	CB Scheme to IEC 61010-1	SIQ or TUV to EN 60950-1	SIQ or TUV to EN 62368-1	SIQ or TUV to EN 61558-1, EN 61558-2-16	SIQ or TUV to EN 60335-1	UL 60950-1	UL 62368-1	NEC Class 2	BIS	BSMI	CCC (China)	EAC (Eurasian Customs Union)	KC (Korea)*	RCM (Australia)*	UKCA (United Kingdom)	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55035 (Immunity)	EN 55011 Class B (Emissions)	EN 55032 Class B (Emissions)	EN 55014-1 (Emissions)	EN 61000-6-3 (Emissions)	EN 61000-6-4 (Emissions)
Panel Mount Power Supply																																		
PMT-48V150W2BA	●	●	●	●	●			●	●	●		●			●	●	●	●		●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-48V150W2CA	●	●	●	●	●			●	●	●		●			●	△	●			●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-48V200W2BM		●	●									●					●				●	●												
PMT-48V200W2BR	●	●	●	●	●			●	●	●		●			●	△	●			●	●	●	●	●	△	●	△	●	●		●	△	△	●
PMT-48V350W2BM		●	●									●					●				●	●												
PMT-48V350W2BR	●	●	●					●				●			●		●	●		●	●	●		●	△	●		●	●		●		△	●
PMT-D1V75W2BA□	●	●	●	●	●			●	●	●		●				●	●	●		●	●	●	●		△	●	△	●	●		●	△	△	●
PMT-D1V75W2CA□	●	●	●	●	●			●	●	●		●				●	●	●		●	●	●	●		△	●	△	●	●		●	△	△	●
PMT-D2V75W2BA□	●	●	●	●	●			●	●	●		●				●	●	●		●	●	●	●		△	●	△	●	●		●	△	△	●
PMT-D2V75W2CA□	●	●	●	●	●			●	●	●		●				●	●	●		●	●	●	●		△	●	△	●	●		●	△	△	●
PMC-05V015W1AA	●	●	●				●	●			●	●		●		●	●	●		○	●	●	●	●				●			●			
PMC-05V035W1A□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-05V050W1AA	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-12V035W1A□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-12V050W1A□	●	●	●				●	●			●	●		●		●	●	●		○	●	●	●	●				●			●			
PMC-12V060W1NA	●	●	●				●	●			●	●	●	●			●	●		○	●	●	●	●				●			●			
PMC-12V100W1A□	●	●	●				●	●			●	●				●	●	●	●	○	●	●	●	●				●			●			
PMC-12V150W1B□	●	●	●				●	●			●	●		●		●	●	●		○	●	●	●	●				●			●			
PMC-12V600W1BA	●	●	●				●	●			●	●					●			○	●	●	●	●		●		●	●	●	●		●	
PMC-24V035W1A□	●	●	●				●	●			●	●				●	●			○	●	●	●	●				●			●			
PMC-24V050W1A□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-24V075W1A□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-24V100W1A□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-24V150W1A□	●	●	●				●	●			●	●					●	●		○	●	●		●				●			●			
PMC-24V150W2AA	●	●	●				●	●			●	●				●	●			○	●	●	●	●				●			●			
PMC-24V150W1B□	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-24V300W1BA	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●				●			●			
PMC-24V600W1BA	●	●	●				●	●			●	●				●	●	●		○	●	●	●	●		●		●		●	●			
PMC-24V600W1RW	●	●	●			●		●				●				●		●		○	●	●	●	●		●			●	●	●			
PMC-DSPV100W1A	●	●	●				●	●			●	●				●	●			○	●	●	●	●				●			●			
PMC-48V150W1BA	●	●	●				●	●			●	●				●	●			○	●	●	●	●				●			●			
PMC-48V600W1BA	●	●	●				●	●			●	●					●			○	●	●	●	●		●		●	●	●	●		●	
PMF-4V320WC□□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMF-5V320WC□□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMF-24V240WCA□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMF-24V240WCG□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMF-24V320WCA□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMF-24V320WCG□	●	●	●				●	●			●	●				●				○	●	●	●	●				●			●			
PMR-4V320WC□A	●	●					●				●					●				○	●	●	●	●				●			●			
PMR-4V320WD□A	●	●					●				●					●				○	●	●	●	●				●			●			
PMR-5V320WC□A	●	●					●				●					●				○	●	●	●	●				●			●			
PMR-5V320WD□A	●	●					●				●					●				○	●	●	●	●				●			●			
PMU-13V155W□□A	●	●	●				●	●			●	●		●		●				○	●	●	●	●				●			●			
PMU-27V155W□□A	●	●	●				●	●			●	●		●		●				○	●	●	●	●				●			●			

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○ Pending
△ Compliant
* For selected models

STANDARDS & APPROVALS

Industrial Power Supplies

	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	CB Scheme to IEC 60601-1	CB SCheme to IEC 60335-1	SIQ or TUV to EN 60950-1	SIQ or TUV to EN 62368-1	TUV to EN 60601-1	TUV to EN 60335-1	UL 60950-1	UL 62368-1	UL 60601-1	CSA C22.2 No. 62368-1 and ANSI/UL 62368-1	CSA C22.2 No. 60601-1	CCC (China)	EAC (Eurasian Customs Union)	PSE (Japan)	UKCA (United Kingdom)	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	SEMI F47	EN 61204-3	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55035 (Immunity)	EN 55011 Class B (Emissions)	EN 55032 Class A (Emissions)	EN 55032 Class B (Emissions)	EN 55014-1 (Emissions)
Panel Mount Power Supply																																	
MEB-500A24F AA	●	●	●	●		●	●	●		●		●			●			○	●	●										●		●	
MEB-750A24□ AAA	●	●	●	●	●	●	●	●	●		●				●			○	●	●				●								●	
MEB-750A48□ AAA	●	●	●	●		●	●	●			●				●			○	●	●				●								●	
MEB-1K2A24T ABA	●	●	●	●		●		●		●	●	●			●			●	●	●										●		●	
MEB-1K2A42T ABA	●	●	●	●		●		●		●	●	●			●			●	●	●										●		●	
MEB-1K2A48T ABA	●	●	●	●		●		●		●	●	●			●			●	●	●										●		●	
Open Frame Power Supply																																	
PJT-12V40WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-12V65WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-12V100WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-12V100WBB□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-15V40WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-15V65WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-15V100WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-15V100WBB□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-18V40WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-18V65WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-18V100WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-18V100WBB□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-24V40WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-24V65WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-24V100WBA□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-24V100WBB□	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJT-27V150WBNA	●	●	●			●	●			●	●					●		○	●	●			●	●				●				●	
PJ-12V15W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-12V30W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-12V50W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-12V100W□□A	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-12V150W□□A	●	●	●			●	●			●	●		●					○	●	●			●	●				●				●	
PJ-24V30W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-24V50W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-24V100W□□A	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-24V150W□□A	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-5V15W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJ-48V50W□NA	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJB-24V100W□□A	●	●	●			●	●			●	●							○	●	●			●	●				●				●	
PJB-24V150WC□A	●	●				●				●								○	●	●			●	●	●			●				●	
PJB-24V150WL□A	●	●				●				●								○	●	●			●	●	●			●				●	
PJB-24V150WB□A	●	●				●				●								○	●	●			●	●	●			●				●	
PJB-24V150WG□A	●		●				●			●	●				●		△	○	●	●			●	●		●		●				●	
PJB-24V150WH□A	●		●				●			●	●				●		△	○	●	●			●	●		●		●				●	
PJB-24V150WJ□A	●		●				●			●	●				●		△	○	●	●			●	●		●		●				●	
PJB-24V240W□□A	●	●	●			●	●				●						△	○	●	●			●	●				●				●	
PJB-24V300W□□A	●	●	●			●	●				●				●		△	○	●	●			●	●		●			●			●	

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	CE	CB Scheme to IEC 60950-1	CB Scheme to IEC 62368-1	CB Scheme to IEC 61558-1, IEC 61558-2-16	CB Scheme to IEC 60335-1	CB Scheme to IEC 61347-1, IEC 61347-2-13	SIQ or TUV to EN 60950-1	SIQ or TUV to EN 62368-1	UL 60950-1	UL 62368-1	UL 508	CSA C22.2 No. 107.1-01	CSA C22.2 No. 60950-1	CSA C22.2 No. 62368-1	CSA C22.2 No. 250.13	ATEX EN 60079-15	CSA C22.2 No. 213 and ANSI/ISA-12.12.09	BSMI (Taiwan)	CCC (China)	EAC (Eurasian Customs Union)	KC (Korea)	PSE (Japan)	UKCA (United Kingdom)	RoHS Directive 2011/65/EU	RoHS Directive (EU) 2015/863 Compliant (EN 50581)	SEMI F47	EN 61204-3	EN 61000-3-2	EN 61000-3-3 (Flicker)	EN 61000-6-1 (Immunity)	EN 61000-6-2 (Immunity)	EN 55014-2 (Immunity)	EN 55024 (Immunity)	EN 55011 Class B (Emissions)	EN 55032 Class A (Emissions)	EN 55032 Class B (Emissions)	EN 55014-1 (Emissions)
Open Frame Power Supply																																				
PJH-24V300WBB□	●	●	●	●	●		●	●	●	●												○	●	●	△	●	●	●			●	●	●	●	●	●
PJH-24V300WBC□	●	●	●	●	●		●	●	●	●												○	●	●	△	●	●	●			●	●	●	●	●	●
PJH-36V300WBB□	●	●	●	●	●		●	●	●	●												○	●	●	△	●	●	●			●	●	●	●	●	●
PJH-36V300WBC□	●	●	●	●	●		●	●	●	●												○	●	●	△	●	●	●			●	●	●	●	●	●
PJU-13V60W□A□	●	●	●				●	●	●	●									●			○	●	●			●	●				●			●	
PJU-13V60W□B□	●	●	●				●	●	●	●									●			○	●	●			●	●				●			●	
PJU-27V60W□A□	●	●	●				●	●	●	●									●			○	●	●			●	●				●			●	
PJU-27V60W□B□	●	●	●				●	●	●	●									●			○	●	●			●	●				●			●	
PJL-48V200WBAA	●	●	●			●	●	●				●	●	●								○	●	●			●	●				●			●	
PJL-48V400WBAA	●	●	●			●	●	●				●	●	●								○	●	●			●	●				●			●	
PJL-48V600WLAA	●	●	●			●	●	●				●	●	●								○	●	●			●	●				●			●	
DIN Rail Modules																																				
DRR-20A	●	●	●				●	●	●	●	●					●	●				●		○	●	●					●	●			●		●	
DRR-20N	●	●	●				●	●	●	●	●										●	●	○	●	●					●	●			●		●	
DRR-40A	●	●	●				●	●	●	●	●					●	●				●		○	●	●					●	●			●		●	
DRR-40N	●	●	●				●	●	●	●	●										●	●	○	●	●					●	●			●		●	
DRB-24V020ABA	●	●	●				●	●	●	●	●	●				●	●				●		○	●	●		●	●	●		●			●		●	
DRB-24V020ABN	●	●	●				●	●	●	●	●	●									●		○	●	●		●	●	●		●			●		●	
DRB-24V040ABN	●	●	●				●	●	●	●	●	●									●		○	●	●		●	●	●		●			●		●	
DRU-24V40ABN	●	●	●				●	●	●	●	●	●									●	●	○	●	●		●	●	●		●			●		●	
DRU-24V10ACZ	●	●	●				●	●	●	●	●										●		○	●	●		●	●	●		●			●		●	
Adapter																																				
ADT-060A12AA B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-060A12AB B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-150B12AA J-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-060A15AA B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-060A15AB B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-060A19AA B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-060A19AB B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-120A19AA M-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-150A19AA G-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-060A24AA B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-060A24AB B-A	●	●	●				●	●	●	●								●	●		●			●	●				●			●			●	
ADT-090A24AA F-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-120A24AA F-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-150A24AA H-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	
ADT-150C24AC K-A	●	●	●				●	●		●								●	●		●	●		●	●			●	●			●			●	

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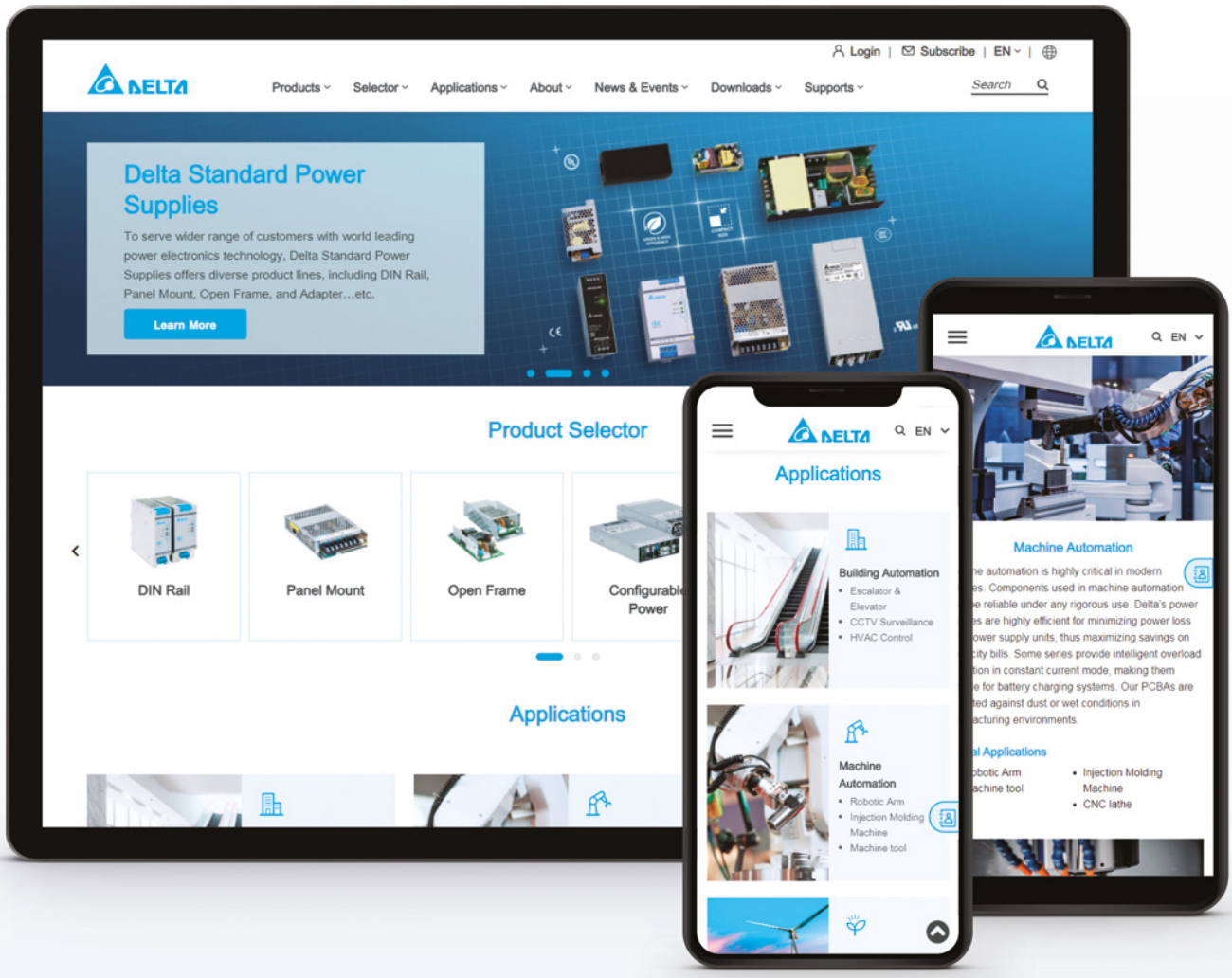

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NOTES

Warranty

Delta warrants that the products (“Products”) sold in this catalog will be free of defects in material and workmanship within the warranty period. The warranty does not apply to Products which have been subjected to abuse, misuse, accident, neglect, unauthorized and/or improper installation, operation, use, maintenance, repair or alteration, or accident of unusual deterioration or degradation of the Products or parts thereof due to physical environment beyond the requirements of the Product specifications.

Attention

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Delta reserves the right to make changes to the information described in the catalog and datasheets without notice.

EMC Directives

At Delta, all of our products are designed to meet the highest quality standards. All national and international safety certifications including EMC directives are conducted by qualified and independent laboratories. For EMC directives’ compliance, the power supplies are tested to ensure compliance as a stand-alone product. Power supplies like the panel mount and open frame types are typically considered component power supply. Therefore, Delta cannot guarantee the system which is installed with Delta’s component power supply can meet the related EMC directives. Customers are advised to contact the system manufacturer for confirmation.

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Products with “New” tab are slated for official release with immediate effect, while products with “Coming Soon” tab will be available within the next two months from this catalog’s publication month (refer to back cover page). Kindly contact your local Delta distributor for availability, ordering and delivery details. You may also get in touch with us via the Feedback Form on **www.DeltaPSU.com/feedback**.

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