

RT12180

(12V18Ah)



Specification

Voltage Per Unit	12V
Capacity	18Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 4.85Kg (Tolerance ±5%)
Internal Resistance	≤18 mΩ (Full Charge Condition @25°C)
Terminal	Default F13-BP(M5),F3(M5) Optional
Max Discharge Current	180A (5 sec)
Max Charging Current	5.4 A
Reference Capacity	C ₃ 13.5Ah / C ₅ 15.3Ah / C ₁₀ 16.8Ah / C ₂₀ 18.0Ah
Standby Use Voltage	13.7 V~13.9 V @ 25°C
Cycle Use Voltage	14.6 V~14.8 V @ 25°C
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C~50°C Storage: -20°C~60°C Normal: 20°C~30°C
Self Discharge	Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.
Dimensions (L×W×H×TH)	181mm×77mm×167mm×167mm (±1.5mm)



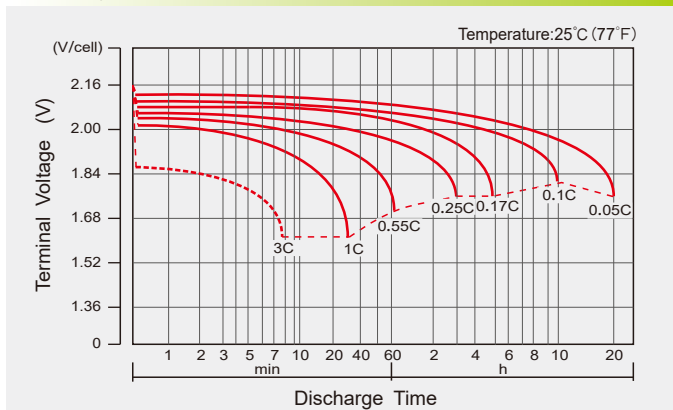
Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	66.25	47.30	34.54	19.84	11.00	6.752	5.076	4.098	3.395	2.185	1.775	0.937
1.65V	61.60	44.70	33.02	19.05	10.62	6.537	4.919	3.987	3.307	2.161	1.753	0.922
1.70V	55.58	41.15	30.93	18.21	10.27	6.321	4.786	3.879	3.221	2.127	1.727	0.911
1.75V	49.80	37.67	28.78	17.40	9.899	6.101	4.643	3.779	3.140	2.098	1.704	0.900
1.80V	43.72	34.10	26.58	16.63	9.521	5.882	4.499	3.671	3.059	2.062	1.682	0.891
1.85V	34.71	27.87	22.05	14.32	8.539	5.390	4.159	3.412	2.853	1.936	1.584	0.846

Constant Power Discharge Characteristics : W/Cell(25 °C)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1.60V	109.8	80.40	60.39	36.03	20.67	12.80	9.695	7.868	6.545	4.268	3.489	1.845
1.65V	103.3	77.44	58.59	34.96	20.07	12.45	9.435	7.683	6.399	4.229	3.451	1.819
1.70V	95.32	72.60	55.69	33.75	19.54	12.11	9.220	7.503	6.254	4.173	3.404	1.799
1.75V	87.30	67.65	52.58	32.59	18.94	11.74	8.983	7.338	6.118	4.123	3.363	1.779
1.80V	78.29	62.31	49.24	31.46	18.32	11.37	8.739	7.153	5.981	4.062	3.324	1.764
1.85V	63.45	51.83	41.44	27.37	16.53	10.48	8.115	6.674	5.596	3.823	3.134	1.677

Discharge Characteristics Curve



Charge Characteristic Curve For Standby Use(IU)

