

HR12-450W

(12V450W)



Specification

Voltage Per Unit	12V
Capacity	450W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 34.5Kg (Tolerance ±5%)
Internal Resistance	≤4.5 mΩ (Full Charge Condition @25°C)
Terminal	Default F12(M8)
Max Discharge Current	1200A (5 sec)
Max Charging Current	36.0 A
Reference Capacity	C ₁₀ 113.2Ah /C ₂₀ 120.0Ah
Standby Use Voltage	13.50 V~13.62 V @ 25°C
Equalization Voltage	14.10 V~14.40 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)	407mm×177mm×225mm×225mm (±2mm)



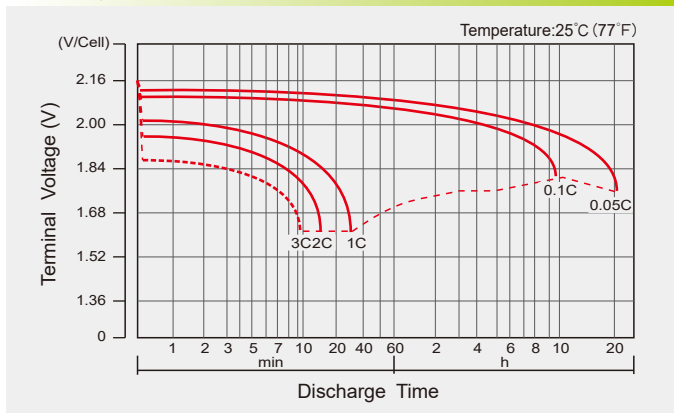
Constant Current Discharge Characteristics : A(25°C)

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	392.6	335.6	316.5	248.9	202.6	149.4	86.44	62.03
1.67V	356.2	307.8	292.5	232.1	190.5	141.3	82.46	59.50
1.70V	341.1	295.8	282.0	225.0	185.1	137.9	80.82	58.36
1.75V	314.9	275.6	264.3	212.9	175.9	132.1	78.01	56.52
1.80V	288.5	255.2	246.7	201.4	167.6	126.5	75.19	54.68
1.85V	247.7	217.4	209.0	173.2	145.5	111.9	67.93	49.85

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

F.V/Time	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	721.4	625.0	595.2	474.4	389.5	290.2	162.3	117.4
1.67V	671.4	586.4	561.7	450.0	371.7	278.3	156.2	113.5
1.70V	649.3	568.8	546.0	439.6	363.7	272.7	153.7	111.9
1.75V	609.3	537.5	518.6	420.6	349.1	263.7	149.5	108.9
1.80V	567.1	504.6	489.7	401.9	335.9	254.4	145.0	105.9
1.85V	494.0	435.8	420.5	349.3	294.3	227.0	131.9	97.41

Discharge Characteristics Curve



Charge Characteristic Curve For Standby Use(IU)

