

VRLA / SLA Battery series is designed with AGM Long life / Duration In High Performance Plate with Gain Extra Powder in Purify Electrolyte. Innovation Design of Fully Maintenance Free in Float Life 12 years. This is Highly Suited to Backup Applications in UPS/EPS, Security Alarm System, Deep Cycle Applications use in Telecom System and Solar System.

**Feature**

- Smart UPS Battery Design up to 10%
- Battery Capacity 135 Ah / 2300W - 15min
- AGM/SLA - Seal Lead Acid Battery
- Maintenance Free Battery Operation
- Non-Spillable Construction Design
- ABS container & Cover UL94HB-0
- Safety Value in explosion proof
- CE & UL Product Certification
- ISO9001 & ISO14001 Certified Factory

**Application**

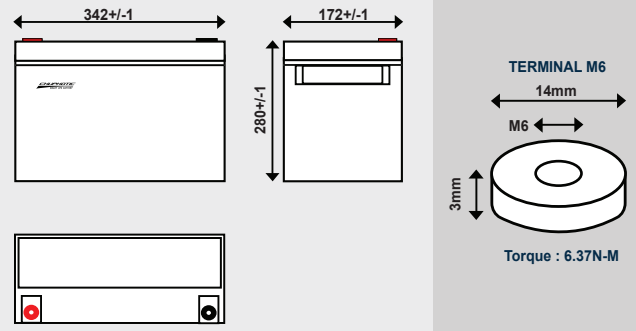
- UPS & EPS
- Emergency System
- Communication Eq.
- Control Equipment
- Solar System
- Alarm System
- Medical Equipment
- Cable TV & CCTV



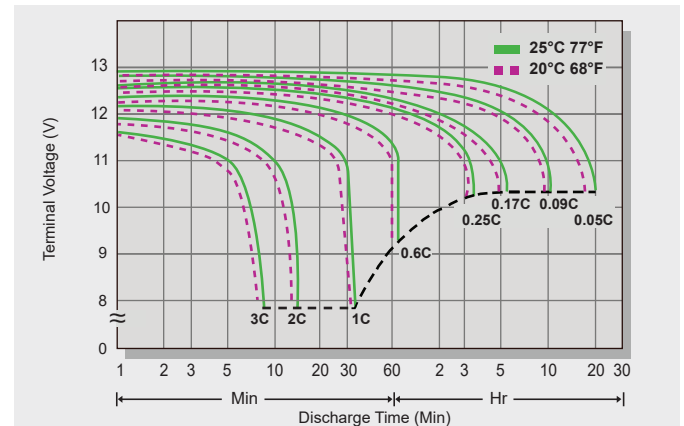
**Specifications**

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 143Ah @7.15A/ 86W
@ 5Hr	: 125Ah @25.1A/ 296W
@ 1Hr	: 88Ah @87.8A/ 984W
@15min	: 52Ah @209 A/ 2300W (*UPS)
@ 5min	: 30Ah @359 A/ 3858W (*UPS)
Max. Discharge	: 1800A @14C
Max. Charge Current	: 40A @0.3C
Internal Resistance	: Approx. 4 mΩ Full Charge at 25°C
Design Float Life	: 12 years at 25 °C
Cycle Lift Service	: 1500 cycles at DOD 25%
Float Charge Voltage	: 13.5-13.8V (-20mV/°C) at 25°C
Cycle Charge Voltage	: 14.4-15.0V (-30mV/°C) at 25°C
Operation Temp.	: Normal 25+ / -3 °C
	: Discharge -15 – 50 °C
	: Charge -15 – 50 °C
	: Storage -15 – 50 °C
Self Discharge	: more than 6 Month at 25°C
Terminal	: M6
Container Material	: ABS UL94 HB-0 (Option :UL94V-0)
Physical	: 342x172x280mm – 42.5 Kgs

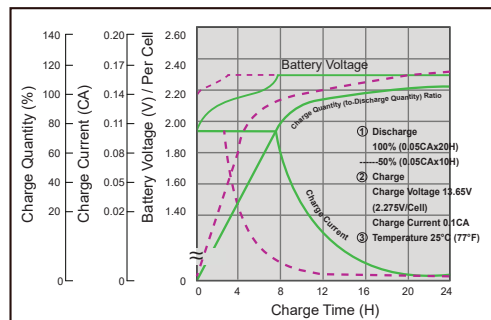
**Dimension 342x172x280mm Weight = 42.5kgs @M6**



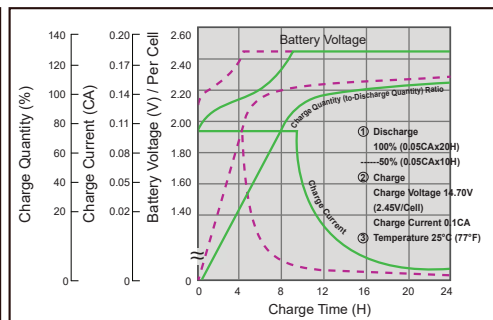
**Terminal Voltage (V) and Discharge Time**



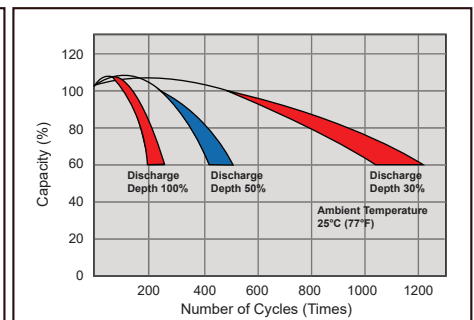
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



**Constant Current(Amp) and Power (Watt/Box) Discharge Table**

Chuphotic.BRO-10.BATT EX12135-2300W 12V-135Ah.Rev1.10/2019

**VRLA-Battery Performance : %DOD, Constant Current, Constant Power (25°C / 10.2 F.V.)**

Discharge Time	5 Min	10Min	15Min	20Min	30Min	60Min	2Hr	3Hr	5Hr	10Hr	20Hr
%DOD	22%	32%	39%	42%	49%	65%	70%	81%	93%	100%	106%
Cons. Current	359A	263A	209A	170A	132A	87.8A	47.2A	36.5A	25.1A	13.5A	7.15A
Cons. Power	3858W	2898W	2300W	1870W	1488W	984W	543W	418W	296W	162W	86W