

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 40 Ah / 680W - 15min
- AGM/SLA - Seal Lead Acid Battery
- Maintenance Free Battery Operation
- Non-Spillable Construction Design
- ABS container & Cover UI94HB-0
- Safety Value in explosion proof
- CE & UL Product Certification
- ISO9001 & ISO14001 Certified Factory

Application

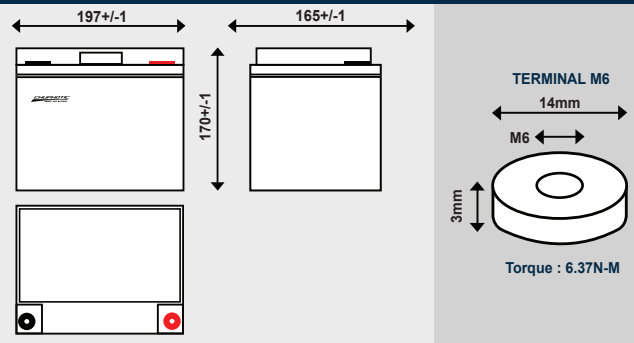
- UPS & EPS
- Emergency System
- Communication Eq.
- Control Equipment
- Solar System
- Alarm System
- Medical Equipment
- Cable TV & CCTV



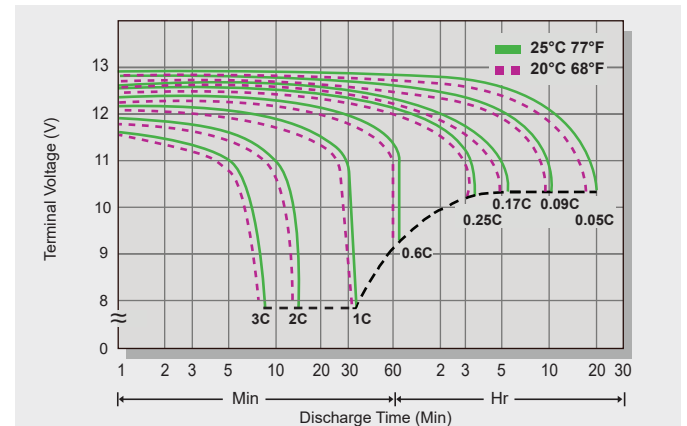
Specifications

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 42Ah @2.1A/ 24W
@ 5Hr	: 34Ah @6.7A/ 85W
@ 1Hr	: 25Ah @25 A/ 291W
@15min	: 15Ah @62 A/ 684W (*UPS)
@ 5min	: 8.8Ah @106A/ 1140W (*UPS)
Max. Discharge	: 500A @14C
Max. Charge Current	: 12A @0.3C
Internal Resistance	: Apporx. 10 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	: 197x165x170mm – 13 Kgs

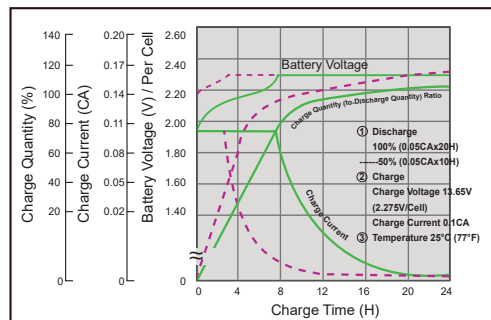
Dimension 197x165x170mm Weight = 13kgs @M6



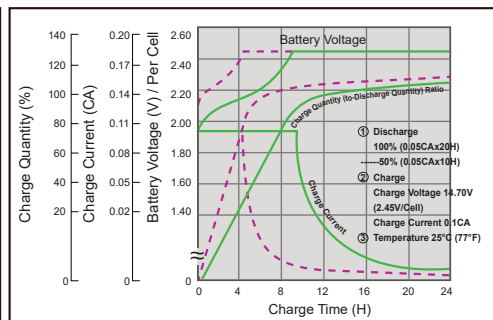
Terminal Voltage (V) and Discharge Time



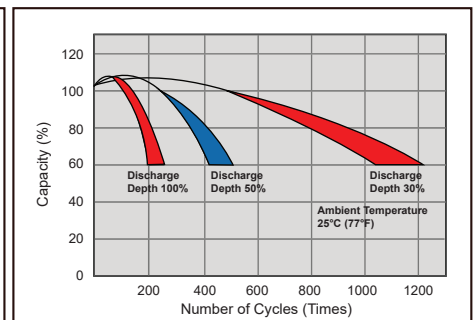
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



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

Chuphotic.BRO-01.BATT EX1240-680W 12V-40Ah.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	8.8%	13%	15.5%	16.8%	19.6%	24.7%	28.0%	33.7%	40%	42%	105%
Cons.Current	106A	78.0A	62.0A	50.4A	39.2A	24.7A	14.0A	10.8A	6.74A	4.0A	2.1A
Cons. Power	1140W	858W	684W	554W	442W	291W	161W	124W	85.2W	48.1W	24.2W