

**VRLA / SLA Battery series** is designed with AGM (Absorbent Glass Mat). In High Performance Plate with Anticorrosion Powder in Purify Electrolyte. Innovation Design of Fully Maintenance Free in Float Life 5 years. This is Highly Suited to Backup Applications in UPS/EPS, Security Alarm System, Emergency Light and other in Extremely High Power output 15%



**Feature**

- Smart UPS Battery Design up to 15%
- Battery Capacity 18Ah / 700W-5min
- 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

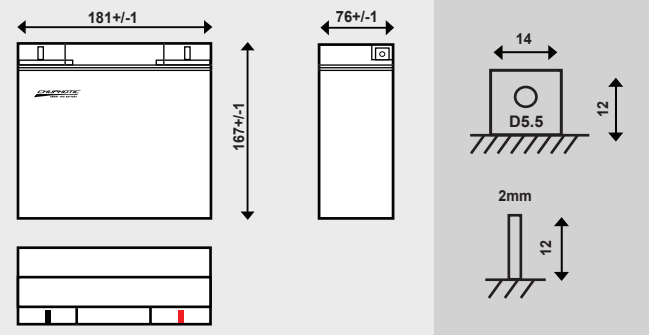
**Application**

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

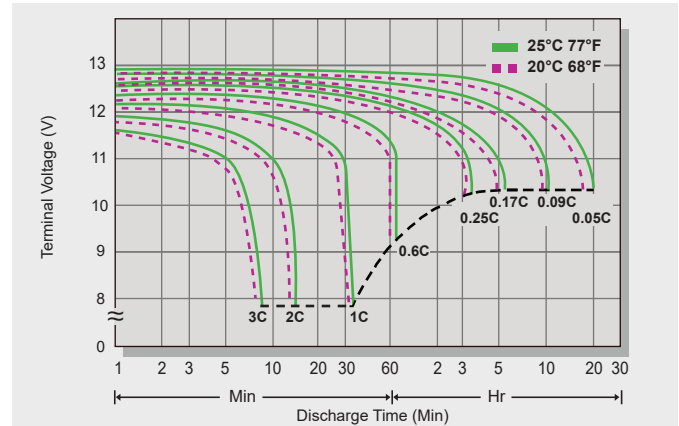
**Specifications**

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 18Ah @0.90A / 11.5W
@ 5Hr	: 16.4Ah @3.29A / 37.4W
@ 1Hr	: 12.2Ah @12.2A / 135W
@15min	: 8.9Ah @35.7A / 407W (*UPS)
@ 5min	: 5.5Ah @66.5A / 738W (*UPS)
Max. Discharge	: 250A @14C
Max. Charge Current	: 5.4A @0.3C
Internal Resistance	: Apporx. 18 mΩ Full Charge at 25°C
Design Float Life	: 5 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	: F1/T250 , F2/T187 (Option)
Container Material	: ABS UL94 HB-0 (Option :UL94V-0)
Physical	: 181x76x167mm – 5.5 Kgs

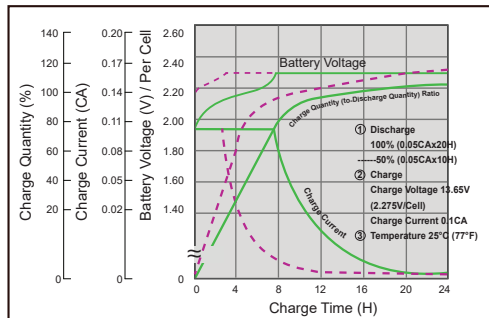
**Dimension 181x76x167mm Weight = 5.5kgs @T12m5**



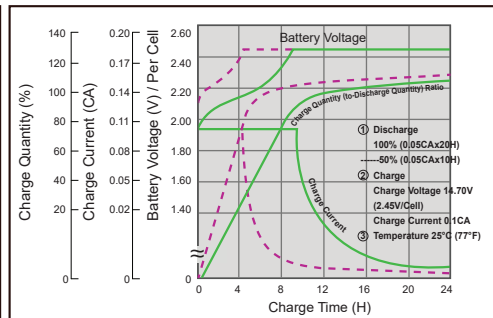
**Terminal Voltage (V) and Discharge Time**



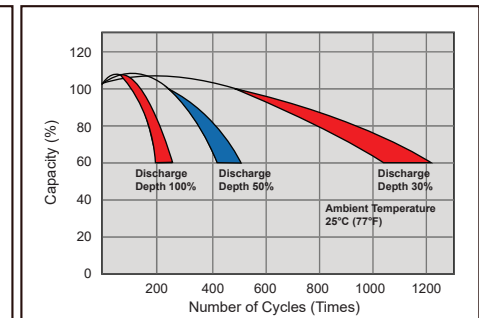
**Battery Voltage and Charge Time for Standby Use**



**Battery Voltage and Charge Time for Cycle Use**



**Cycle Service Life**



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

Chuphotic.BRO-09.BATT UB1218-700W 12V-18Ah.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	29%	40%	46%	48%	52%	63%	68%	78%	83%	87%	100%
Cons. Current	62.6A	43.2A	33.1A	18.7A	11.3A	6.12A	4.68A	5.2A	3.06A	1.56A	0.90A
Cons. Power	703W	508W	387W	288W	216W	128W	75W	52W	35W	20W	11W