

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, Emergency Light, Telecommunication System and other

### Feature

- Smart UPS Battery Design up to 10%
- Battery Capacity 50Ah / 850W-15min
- AGM/SLA -Seal Lead Acid Battery
- Maintenance Free Battery Operation
- Non-Spillable Construction Design
- ABS Container & Cover UL94HB-0
- Safety Valve in explosion proof
- CE & UL Product Certificate
- ISO9001 & ISO14001 Certified Factory

### Application

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

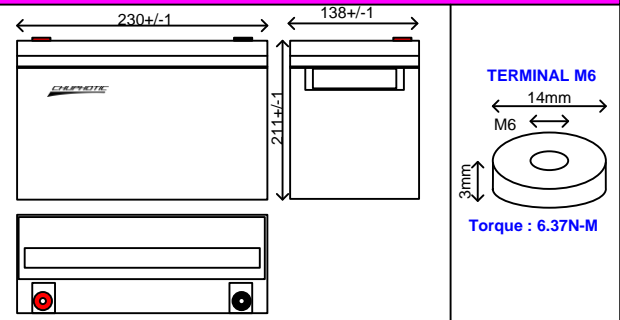
### Specifications

**Voltage Normal** : 12 VDC in 6 Cell  
**Capacity @20Hr** : 53Ah @2.63A/30.2W  
 @ 5Hr : 46Ah @9.31A/107W  
 @ 1Hr : 32Ah @32.5A/364W  
 @15min : 19Ah @77.5A/852W (\*UPS)  
 @ 5min : 11Ah @133A/1428W (\*UPS)  
**Max. Discharge** : 700A @14C  
**Max. Charge Current** : 15A @0.3C  
**Internal Resistance** : Apporx. 7 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** : 14.4-15.0V (-30mV/°C) at 25°C  
**Cycle Charge Voltage** : 13.5-13.8V (-20mV/°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** : 230x138x211mm – 16.5 Kgs

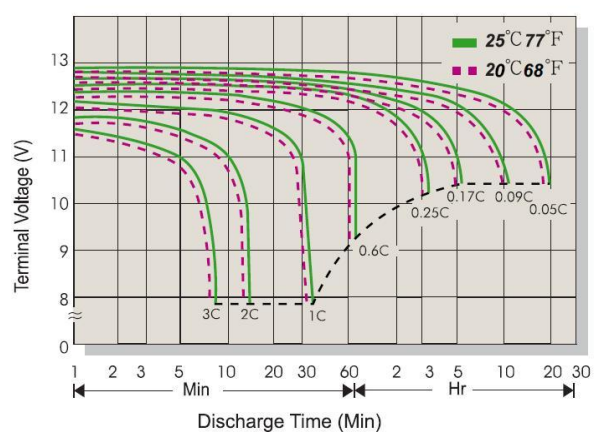
### EX1250-850W : 12V-50Ah /850W-15min



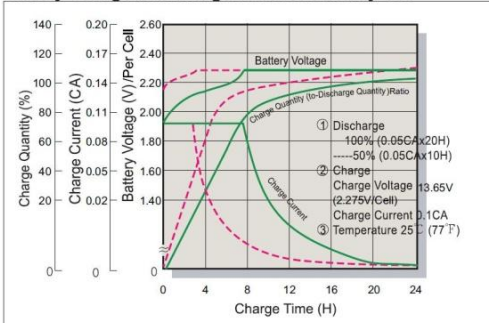
### Dimension 230x138x211mm Weight = 16.5kgs @M6



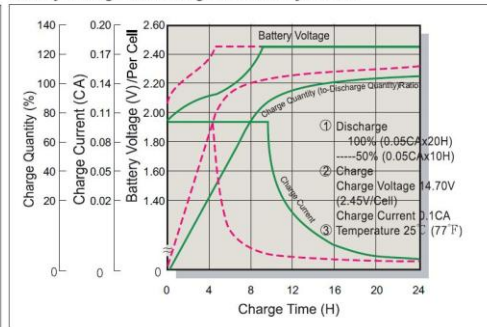
### Terminal Voltage (V) and Discharge Time



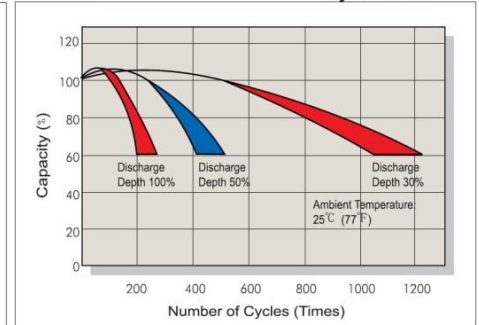
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



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

#### VRLA-Battery Performance : %DOD , Constant Current , Constant Power ( 25°C/ 10.5 F.V.)

	5 Min	10 Min	15 Min	20 Min	30 Min	60 Min	2 Hr	3 Hr	5 Hr	10 Hr	20 Hr
<b>Capacity Batt.</b>	11Ah	16.2Ah	19.4Ah	21Ah	24.5Ah	32.5Ah	35Ah	40.5Ah	46.5Ah	50Ah	52.6Ah
<b>% DOD</b>	22%	32%	39%	42%	49%	65%	70%	81%	93%	100%	105%
<b>Cons.Current</b>	133A	97.5A	77.5A	63A	49A	32.5A	17.5A	13.5A	9.31A	5.0A	2.63A
<b>Cons. Power</b>	1428W	1074W	852W	693W	552W	364W	201W	155W	107W	60W	30W

Chuphotic EX1250-850W Rev.1.00