

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 80Ah / 1300W-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

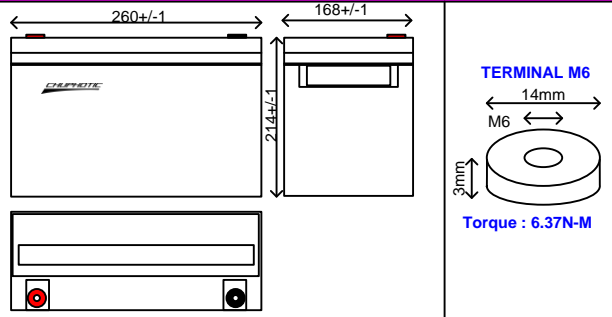
### Specifications

**Voltage Normal** : 12 VDC in 6 Cell  
**Capacity @20Hr** : 82Ah @4.10A/48.4W  
 @ 5Hr : 75Ah @14.9A/170W  
 @ 1Hr : 52Ah @52.0A/582W  
 @15min : 31Ah @124A/1362W (\*UPS)  
 @ 5min : 18Ah @213A/2286W (\*UPS)  
**Max. Discharge** : 1000A @14C  
**Max. Charge Current** : 24A @0.3C  
**Internal Resistance** : Apporx. 6 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** : 260x168x214mm – 24 Kgs

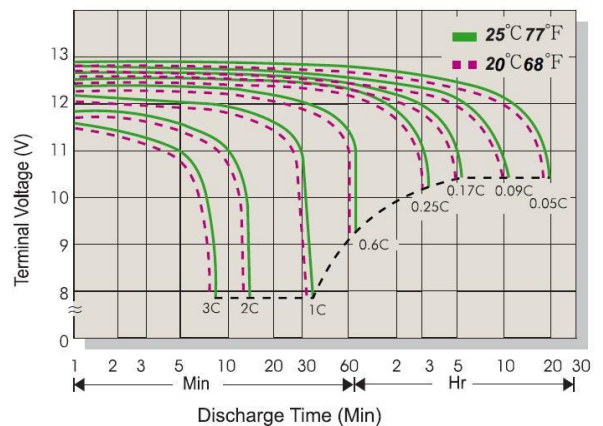
### EX1280-1300W : 12V-80Ah /1300W-15min



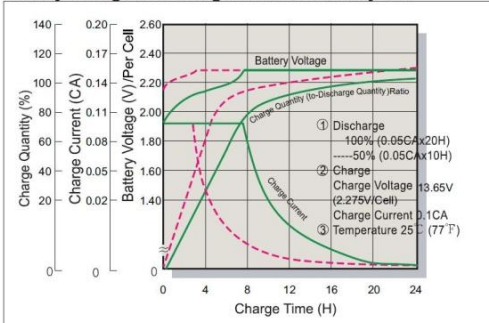
### Dimension 260x168x214mm Weight = 24kgs @M6



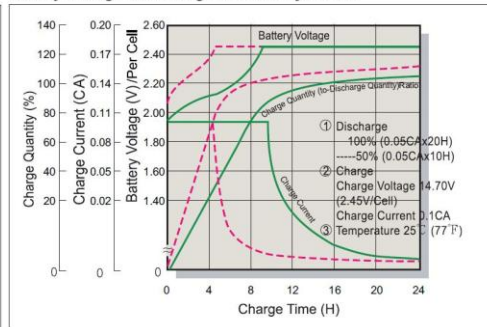
### Terminal Voltage (V) and Discharge Time



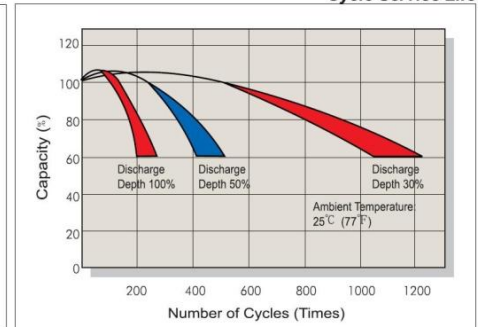
Battery Voltage and Charge Time for Standby Use



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>	17.8Ah	26Ah	31Ah	33.3Ah	39.2Ah	52Ah	56Ah	65Ah	74.5Ah	80Ah	82Ah
<b>% DOD</b>	22%	32%	39%	42%	49%	65%	70%	81%	93%	100%	103%
<b>Cons.Current</b>	213A	156A	124A	100A	78.4A	52A	28A	21.6A	14.9A	8.0A	4.1A
<b>Cons. Power</b>	2286W	1716W	1362W	1100W	882W	582W	322W	248W	170W	96W	48W

Chuphotic EX1280-1300W Rev.1.00