

**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 applications

## Feature

- Smart UPS Battery Design up to 10%
- Battery Capacity 55Ah / 1570W-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

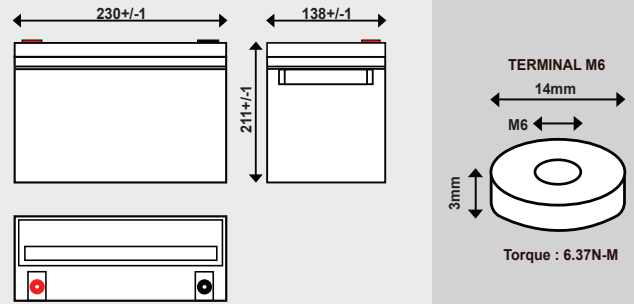
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV

## Specifications

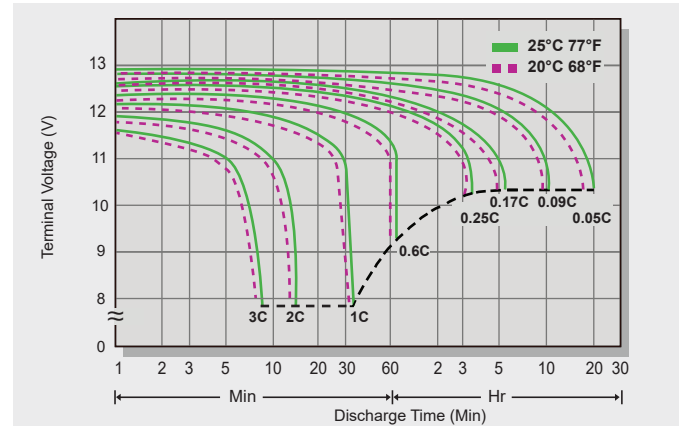
Voltage Normal	: 12 VDC	in 6 Cell
Capacity @20Hr	: 58.0Ah	@2.91A/ 35W
	@ 5Hr	: 46.0Ah @9.32A/ 107W
	@ 1Hr	: 35.0Ah @35.8A/ 400W
	@15min	: 21.0Ah @85.3A/ 936W (*UPS)
	@ 5min	: 12.0Ah @146 A/ 1570W (*UPS)
Max. Discharge	: 700A	@14C
Max. Charge Current	: 15.0A	@0.3C
Internal Resistance	: Apporx. 6 mΩ	Full Charge at 25°C
Design Float Life	: 10 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	: 230x138x211mm	– 17 Kgs



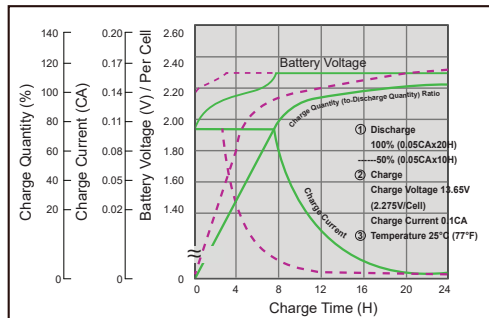
## Dimension 230x138x211mm Weight = 17kgs @M6



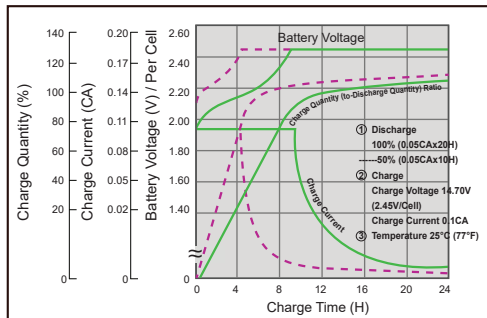
## Terminal Voltage (V) and Discharge Time



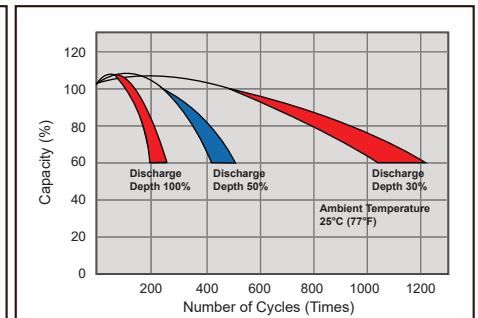
## Battery Voltage and Charge Time for Standby Use



## 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 / 10.2 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%	85%	100%	106%
Cons.Current	146A	107A	85.3A	69.3A	53.9A	35.8A	19.2A	14.9A	9.32A	5.5A	2.91A
Cons. Power	1572W	1182W	936W	762W	606W	400W	220W	170W	107W	66W	35W

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MH28204



IEC60896

