

**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 9.4Ah / 300W-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

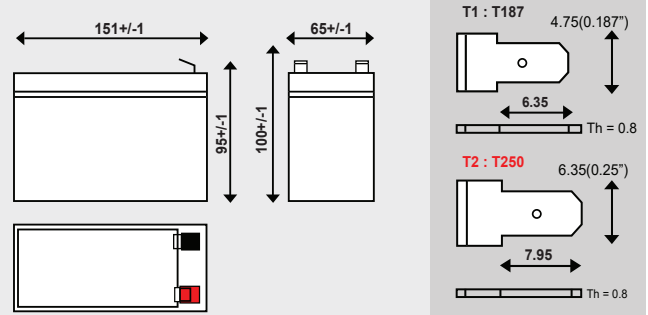
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV



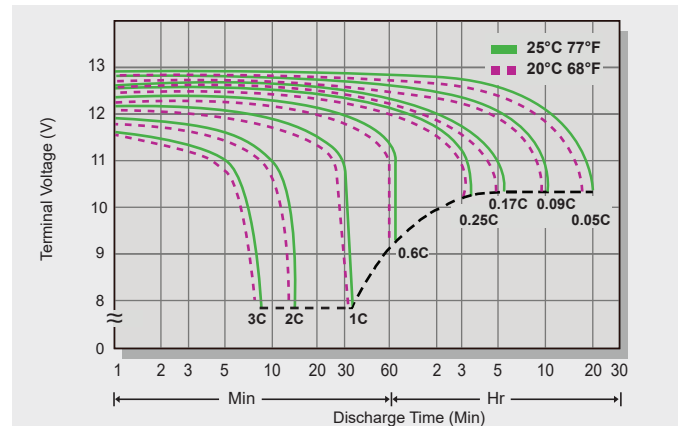
## Specifications

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 9.4Ah @0.47A/ 5.5W
@ 5Hr	: 7.7Ah @1.54A/ 18W
@ 1Hr	: 5.4Ah @5.45A/ 62W
@15min	: 3.8Ah @15.0A/ 162W (*UPS)
@ 5min	: 2.4Ah @29.3A/ 308W (*UPS)
Max. Discharge	: 125A @14C
Max. Charge Current	: 2.80A @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	: 151x65x100mm - 2.75 Kgs

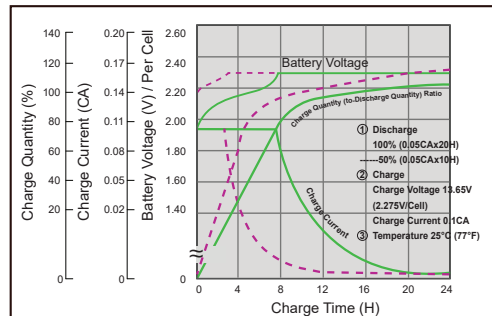
## Dimension 151x65x100mm Weight = 2.75kgs @T250



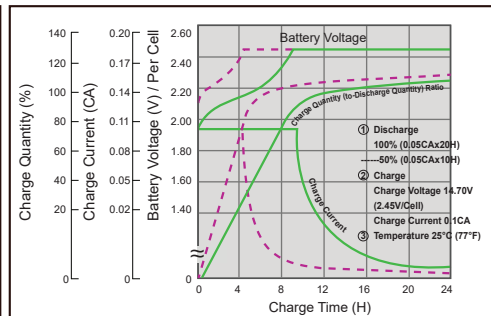
## Terminal Voltage (V) and Discharge Time



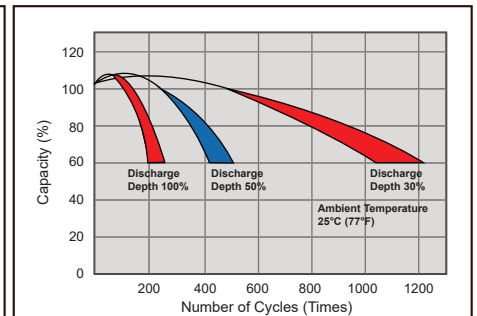
## Battery Voltage and Charge Time for Standby Use



## Battery Voltage and Charge Time for Cycle Use



## Cycle Service Life



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

EWAVE.BRO-07.BATT GB12-9.4 / 300W.Rev1.00/2019

## 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	26%	36%	40%	45%	50%	58%	65%	75%	82%	94%	100%
Cons.Current	29.3A	20.3A	15.0A	12.7A	9.4A	5.45A	3.06A	2.35A	1.54A	0.88A	0.47A
Cons. Power	308W	213W	162W	138W	104W	62W	35W	27W	18W	10.4W	5.5W