

**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 7.5Ah / 250W-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

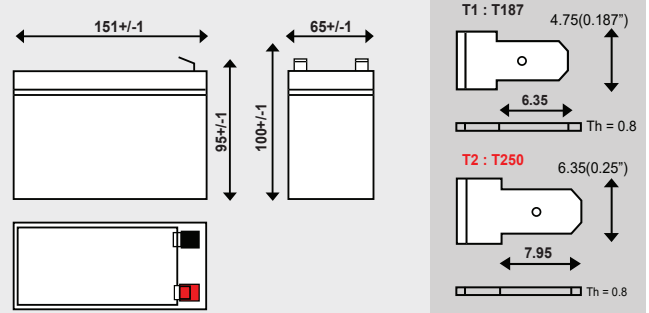
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV



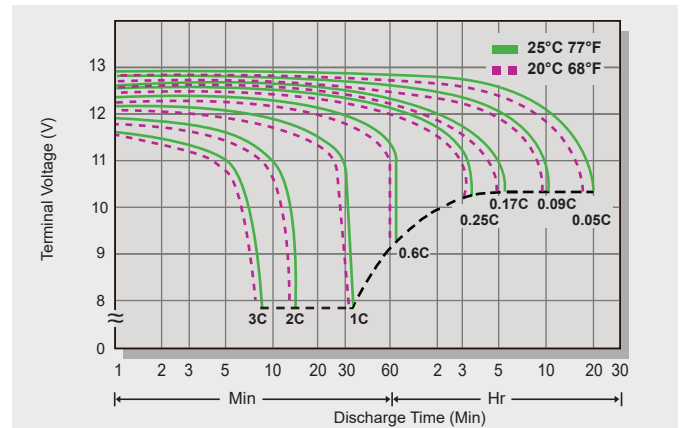
## Specifications

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 7.5Ah @0.37A/ 4.4W
@ 5Hr	: 6.1Ah @1.23A/ 14W
@ 1Hr	: 4.3Ah @4.35A/ 50W
@15min	: 3.0Ah @12.1A/ 129W (*UPS)
@ 5min	: 2.0Ah @23.4A/ 250W (*UPS)
Max. Discharge	: 100A @14C
Max. Charge Current	: 2.25A @0.3C
Internal Resistance	: Apprx. 20 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 – 2.1 Kgs

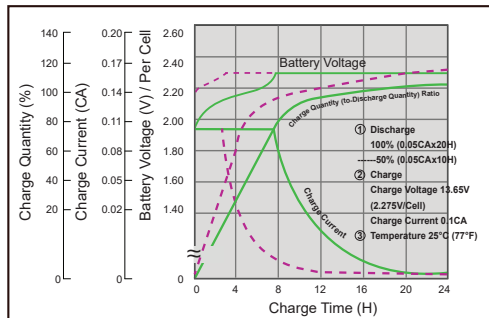
## Dimension 151x65x100mm Weight = 2.1kgs @T250



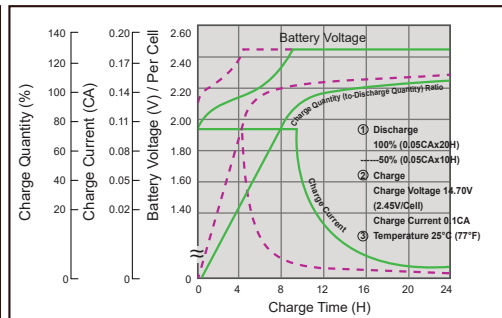
## Terminal Voltage (V) and Discharge Time



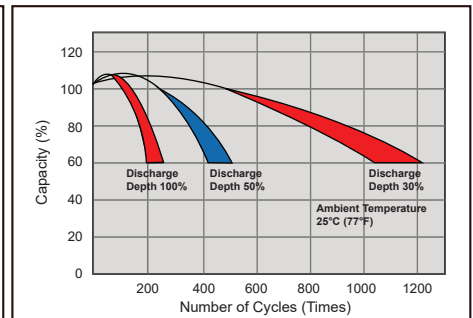
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



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

EWAVE.BRO-04.BATT GB12-7.5 / 250W.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%	93%	100%
Cons.Current	23.4A	16.2A	12.1A	10.1A	7.47A	4.35A	2.44A	1.88A	1.23A	0.70A	0.37A
Cons. Power	250W	170W	129W	110W	83W	50W	28W	21.7W	14.4W	8.25W	4.3W

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