

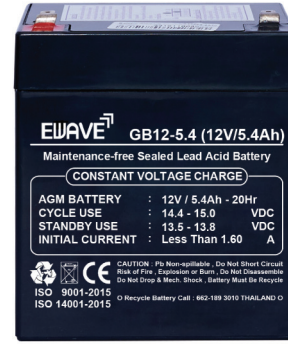
**VRLA / SLA Battery series** is designed with AGM (Absorbent Glass Mat). In High Performance Plate with Anticorrosion Powder in Purify Electrolyte. Innovation Design of Fully Maintenance Free in Float Life 5 years. This is Highly Suited to Backup Applications in UPS/EPS, Security Alarm System, Emergency Light and other applications

## Feature

- Smart UPS Battery Design up to 10%
- Battery Capacity 5.4Ah / 180W-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

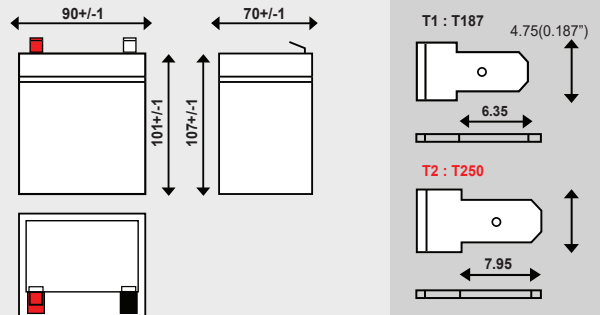
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV



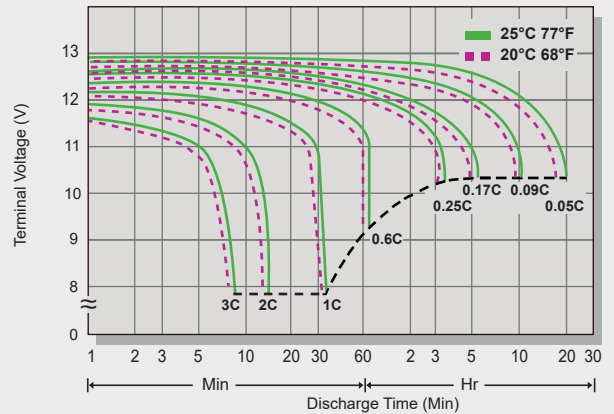
## Specifications

Voltage Normal	: 12 VDC in 6 Cell
Capacity @20Hr	: 5.4Ah @0.27A/ 3.2W
@ 5Hr	: 4.3Ah @0.87A/ 9.5W
@ 1Hr	: 3.1Ah @3.13A/ 37.5W
@15min	: 2.2Ah @8.61A/ 98W (*UPS)
@ 5min	: 1.4Ah @16.8A/ 180W (*UPS)
Max. Discharge	: 70A @14C
Max. Charge Current	: 1.60A @0.3C
Internal Resistance	: Apporx. 25 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	: 90x70x107mm - 1.65 Kgs

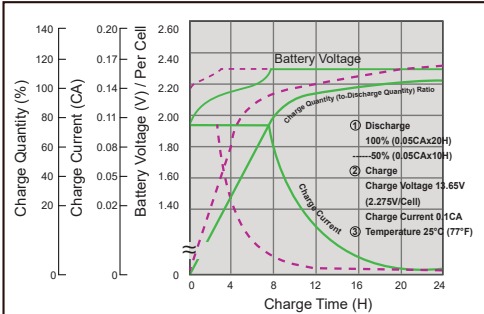
## Dimension 90x70x107mm Weight = 1.65kgs @T250



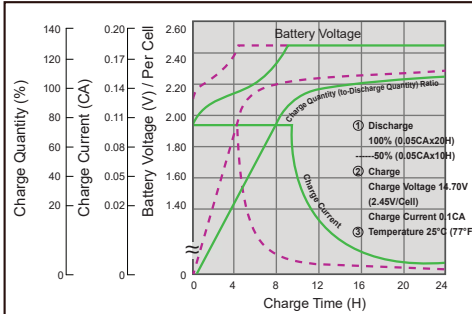
## Terminal Voltage (V) and Discharge Time



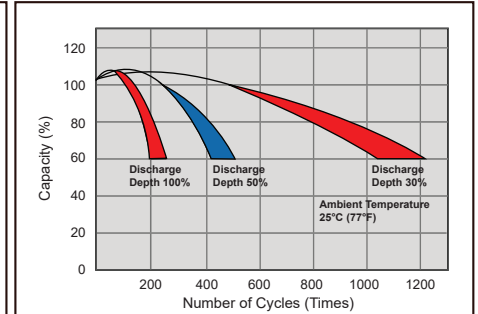
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



EWAVE.BRO-01.BATT GB12-5.4 / 180W.Rev1.00/2019

## 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	26%	34%	40%	43%	45%	58%	66%	78%	80%	85%	100%
Cons.Current	16.8A	11.1A	8.61A	7.0A	4.86A	3.13A	1.78A	1.40A	0.87A	0.46A	0.27A
Cons. Power	186W	127W	98W	77W	55.4W	37.5W	20.5W	15.4W	9.5W	6.2W	3.2W

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MH28204

IEC60896

