

**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 21Ah / 750W-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

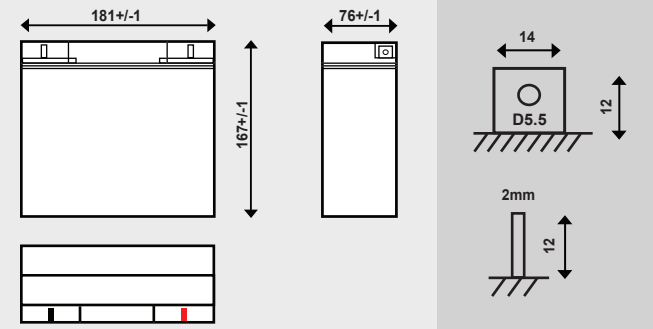
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV



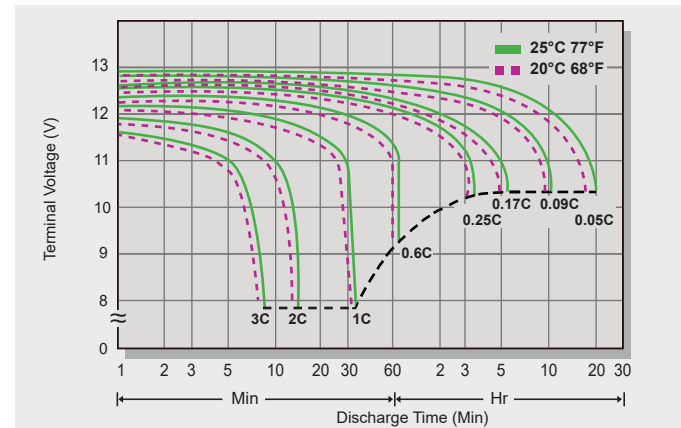
## Specifications

Voltage Normal	: 12 VDC	in 6 Cell
Capacity @20Hr	: 21.0Ah	@0.98A/ 12W
@ 5Hr	: 17.0Ah	@3.39A/ 38W
@ 1Hr	: 12.6Ah	@12.6A/ 135W
@15min	: 9.2Ah	@36A/ 410W (*UPS)
@ 5min	: 6.0Ah	@72A/ 750W (*UPS)
Max. Discharge	: 300A	@14C
Max. Charge Current	: 6.00A	@0.3C
Internal Resistance	: Apporx. 15 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	: T12-M5	
Container Material	: ABS UL94 HB-0	(Option :UL94V-0)
Physical	: 181x76x167mm	– 5.5 Kgs

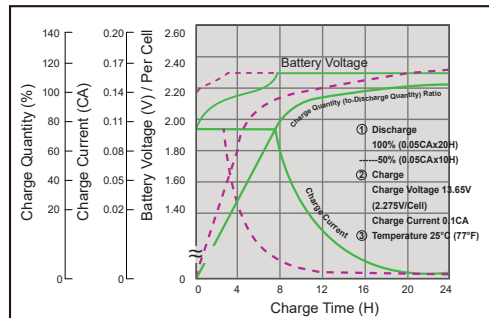
## Dimension 181x76x167mm Weight = 5.5kgs @T12m5



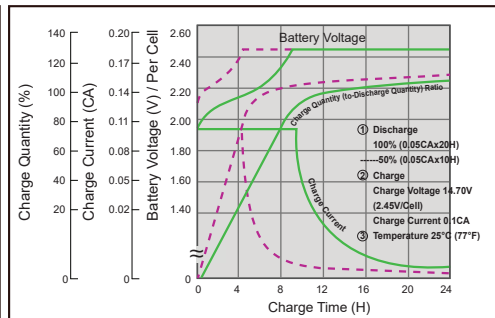
## Terminal Voltage (V) and Discharge Time



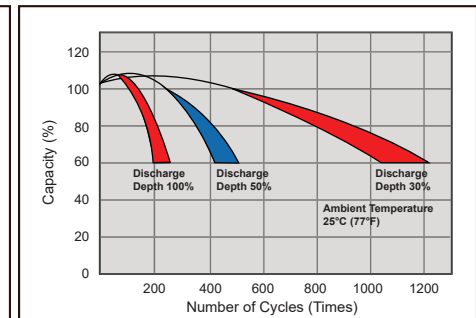
## Battery Voltage and Charge Time for Standby Use



## Battery Voltage and Charge Time for Cycle Use



## Cycle Service Life



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

EWAVE.BRO-11.BATT GB12-21 / 750W.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	30%	40%	46%	48%	52%	63%	68%	78%	85%	87%	100%
Cons. Current	72A	48A	36.8A	28.8A	20.8A	12.6A	6.8A	5.2A	3.4A	1.74A	1.0A
Cons. Power	750W	540W	410W	300W	230W	135W	75W	55W	38W	21W	12W

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