GB12-100 : 12V 100Ah

VRLA / SLA Battery series is designed with AGM (AbsorbentGlass 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

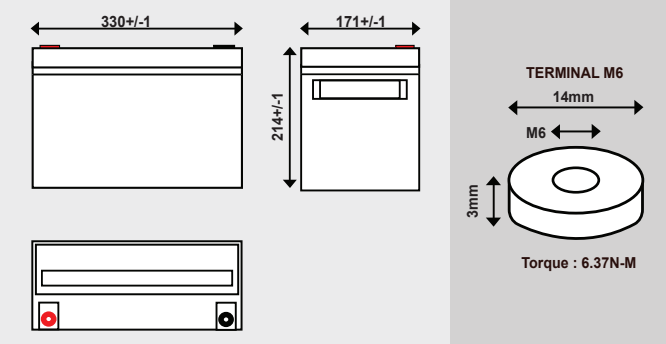
Feature

- Smart UPS Battery Design up to 10%
- Battery Capacity 100Ah / 2850W-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**

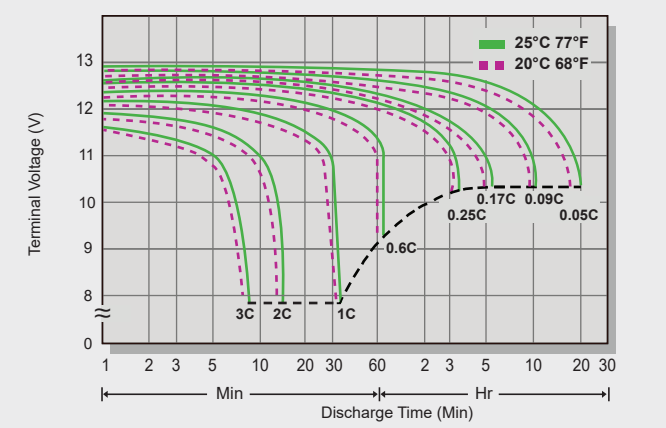
Dimension 330x171x214mm Weight = 30kgs @M6



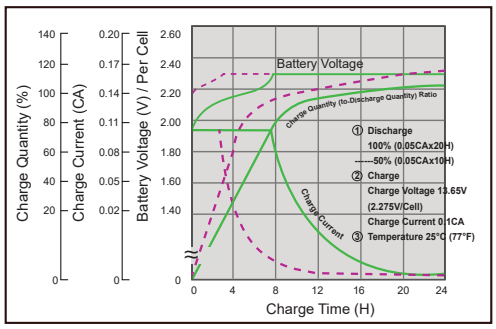
Specifications

Voltage Normal	:	**12 VDC in 6 Cell**
Capacity @20Hr	:	**106.0Ah @5.29A/ 64W**
@ 5Hr	:	**84.0Ah @16.9A/ 194W**
@ 1Hr	:	**62.0Ah @61.8A/ 690W**
@15min	:	**39.0Ah @155 A/ 1704W** (*UPS)
@ 5min	:	**22.0Ah @266 A/ 2850W** (*UPS)
Max. Discharge	:	**1400A @14C**
Max. Charge Current	:	**30.0A @0.3C**
Internal Resistance	:	**Apporx. 5 mΩ** Full Charge at 25ºC
Design Float Life	:	**10 years** at 25 ºC
Cycle Lift Service	:	**1500 cycles** at DOD 25%
Float Charge Voltage	:	**13.5-13.8V** (-20mV/ºC) at 25ºC
Cycle Charge Voltage	:	**14.4-15.0V** (-30mV/ºC) at 25ºC
Operation Temp.	:	**Normal 25+ / -3 ºC**
	:	**Discharge -15 – 50 ºC**
	:	**Charge -15 – 50 ºC**
	:	**Storage -15 – 50 ºC**
Self Discharge	:	**more than 6 Month at 25ºC**
Terminal	:	**M6**
Container Material	:	**ABS UL94 HB-0** (Option :UL94V-0)
Physical	:	**330x171x214mm – 30 Kgs**

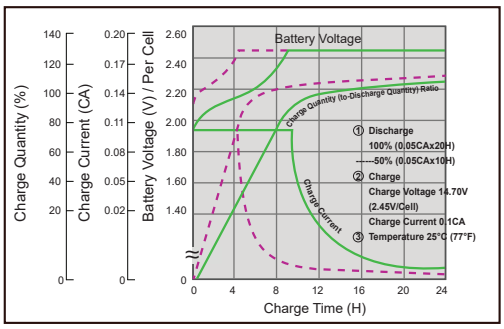
Terminal Voltage (V) and Discharge Time



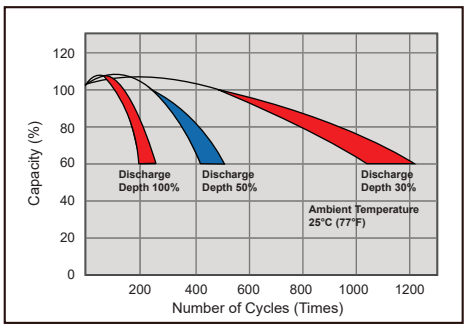
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



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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%	62%	70%	81%	84%	100%	106%
Cons.Current	266A	195A	155A	126A	98A	61.8A	35A	27A	16.9A	10.0A	5.29A
Cons. Power	2854W	2148W	1704W	1386W	1104W	690W	402W	301W	194W	120W	64W

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