

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 150Ah / 4280W-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

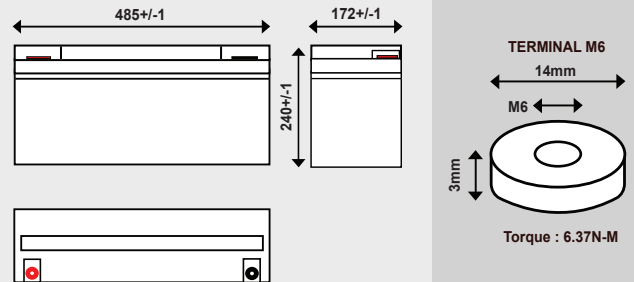
- UPS & EPS
- Emergency System
- Communication Eq.
- Security System
- Control Equipment
- Solar System
- Medical Equipment
- Cable TV & CCTV

Specifications

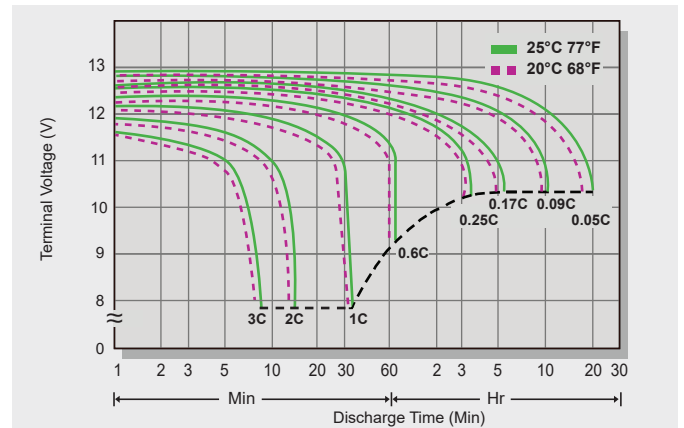
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|----------------------|---------------------|-------------------------------|
| Voltage Normal | : 12 VDC | in 6 Cell |
| Capacity @20Hr | : 159.0Ah | @7.94A/ 95W |
| | @ 5Hr | : 127.0Ah @25.4A/ 291W |
| | @ 1Hr | : 93.0Ah @92.6A/ 1038W |
| | @15min | : 58.0Ah @233 A/ 2556W (*UPS) |
| | @ 5min | : 33.0Ah @399 A/ 4280W (*UPS) |
| Max. Discharge | : 2000A | @14C |
| Max. Charge Current | : 45.0A | @0.3C |
| Internal Resistance | : Apporx. 4 mΩ | Full Charge at 25°C |
| Design Float Life | : 10 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 | : M6 | |
| Container Material | : ABS UL94 HB-0 | (Option :UL94V-0) |
| Physical | : 485x172x240mm | – 44.5 Kgs |



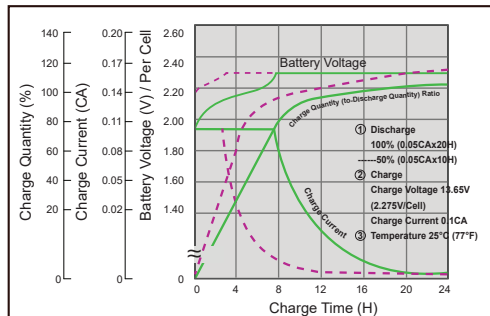
Dimension 485x172x240mm Weight = 44.5kgs @M6



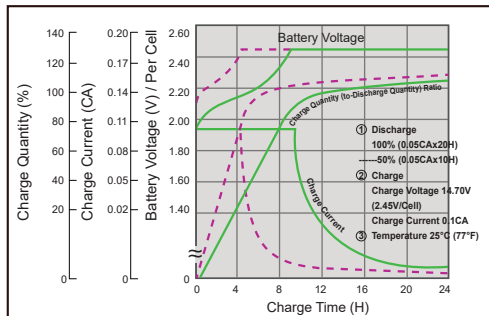
Terminal Voltage (V) and Discharge Time



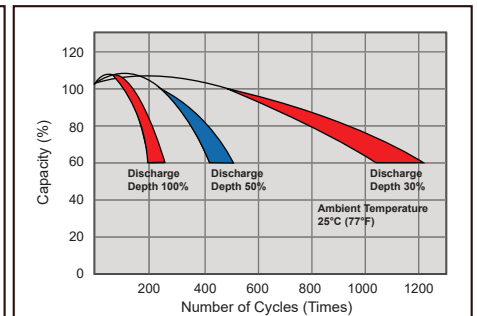
Battery Voltage and Charge Time for Standby Use



Battery Voltage and Charge Time for Cycle Use



Cycle Service Life



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

EWAVE.BRO-22.BATT GB12-150 / 4280W.Rev1.10/2019

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 | 22% | 32% | 39% | 42% | 49% | 62% | 70% | 81% | 85% | 100% | 106% |
| Cons.Current | 399A | 293A | 233A | 189A | 147A | 92.6A | 52.6A | 40.5A | 25.4A | 15.0A | 7.94A |
| Cons. Power | 4284W | 3222W | 2556W | 2078W | 1656W | 1038W | 603W | 464W | 291W | 180W | 95W |