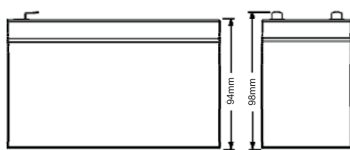
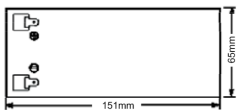




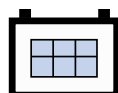
HIGH PERFORMANCE AM 12-9

SEALED RECHARGEABLE LEAD ACID BATTERY

Dimensions and Terminal



| | | |
|--------------------|------------|--------------|
| Length:151mm | Width:65mm | Height :94mm |
| Total Height :98mm | | |



Innovative Features

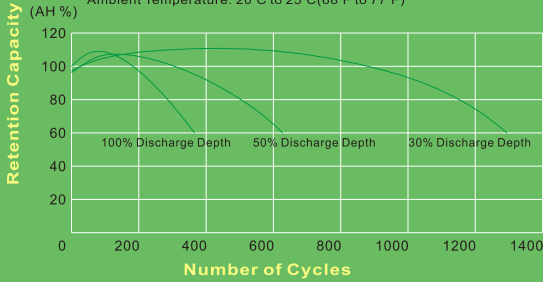
- ☑ 5~8 years design life @ 20°C(68°F) ambient temperature, 80% remaining capacity;
- ☑ UL Recognized component;
- ☑ Rechargeable VRLA batteries with an electrolyte retained in a glass mat with a very fine glass fibre structure.
- ☑ High-Compression Absorbed Glass Mat technology (AGM) for over 99% recombination efficiency.
- ☑ Proprietary Fixed Orifice Plate Pasting technology applying active materials on both sides of the grid for consistent cell-to-cell performance, higher capacity and uniform grid protection.
- ☑ Perfect combination between energy storage performance and reliability;
- ☑ Operates at a low internal pressure;
- ☑ Low self-discharge rate (less than 3% / month @ 20°C(68°F));
- ☑ Grid plate construction consisting of a Lead Calcium Tin alloy;
- ☑ High impact resistant ABS resin cases and covers;
- ☑ Available in V-0 Flame Retardant Material;
- ☑ In compliance with IEC 896-2;
- ☑ Wide operating temperature range;
- ☑ Sealed construction for operation in any position.

Performance Specifications

| | | |
|--|--|-------------|
| Normal Voltage | 12V | |
| Normal Capacity | 20 hour rate (450 mA to 10.5 volts): 9.00 Ah | |
| | 10 hour rate (862 mA to 10.5 volts): 8.62 Ah | |
| | 5 hour rate (1.58 A to 10.2 volts): 7.88 Ah | |
| | 1 hour rate (6.75 A to 9.00 volts): 6.75 Ah | |
| Internal Resistance | 21.0 milliohms | |
| Approximate Weight | 2.65 kg (5.84 lbs) | |
| Applicable Operating Temperature Range | -40°C(-40°F) to +70°C (+158°F) | |
| Ideal Operating Temperature Range | +20°C (+68°F) to +28°C (+82.4°F) | |
| Charge Retention (Shelf Life) at 68°F(20°C) | 1 month | 97% |
| | 3 month | 91% |
| | 6 month | 85% |
| Standby Service | 8 years | |
| Cycle Service | 100% depth of discharge | 350 cycles |
| | 50% depth of discharge | 650 cycles |
| | 30% depth of discharge | 1300 cycles |
| Standard Terminals | Faston Tab No.250 | |

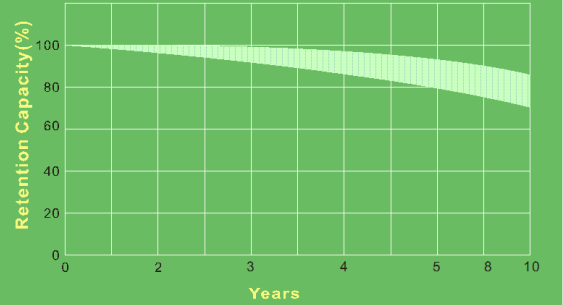
LIFE CHARACTERISTICS IN CYCLE SERVICE

Discharge Current 0.2C AMP. (Final voltage 1.70 V.P.C)
 Charge Current: 0.1C AMP.
 Ambient Temperature: 20°C to 25°C(68°F to 77°F)

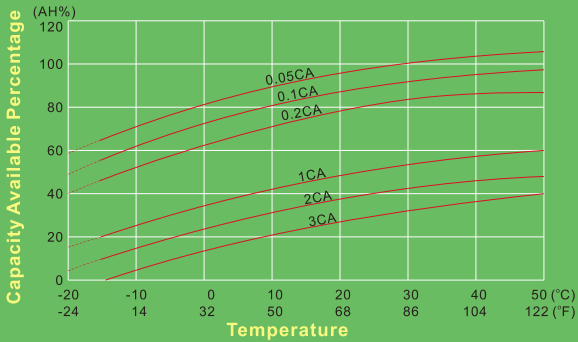


Float Service Life

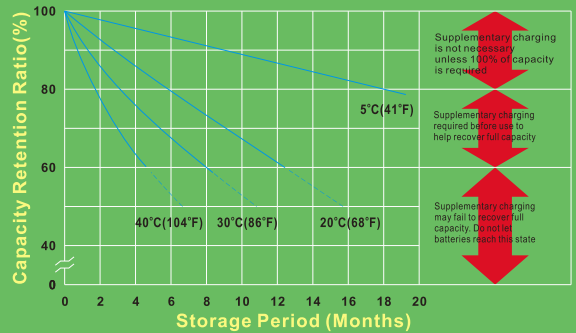
Float Charging Voltage: 2.25~2.30 V.P.C. Ambient Temperature: 20°C(68°F)



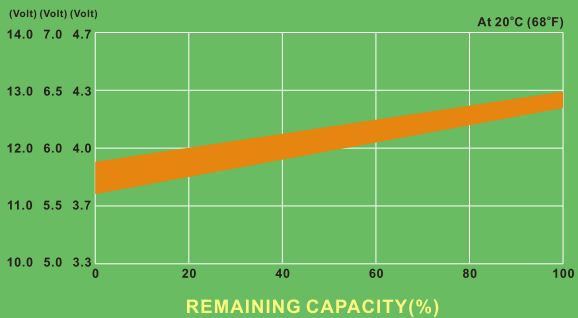
TEMPERATURE EFFECTS vs CAPACITY



SHELF LIFE AND STORAGE



OPEN CIRCUIT VOLTAGE vs REMAINING CAPACITY



DISCHARGE CHARACTERISTICS

