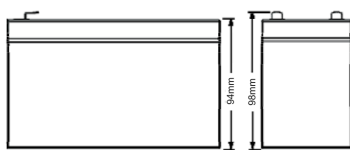
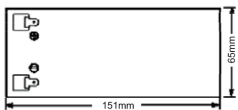




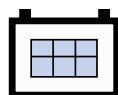
# HIGH PERFORMANCE AM 12-9

## 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;

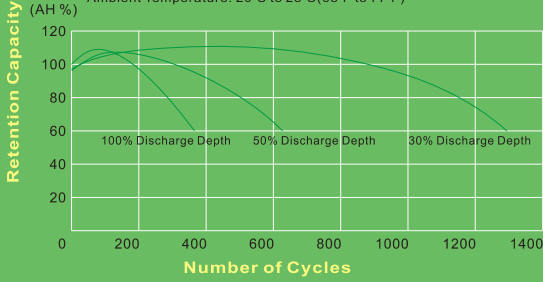
Sealed construction for operation in any position.

### Performance Specifications

<b>Normal Voltage</b>	12V	
<b>Normal Capacity</b>	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
<b>Internal Resistance</b>	21.0 milliohms	
<b>Approximate Weight</b>	2.65 kg (5.84 lbs)	
<b>Applicable Operating Temperature Range</b>	-40°C(-40°F) to +70°C (+158°F)	
<b>Ideal Operating Temperature Range</b>	+20°C (+68°F) to +28°C (+82.4°F)	
<b>Charge Retention (Shelf Life) at 68°F(20°C)</b>	1 month	97%
	3 month	91%
	6 month	85%
<b>Standby Service</b>	8 years	
<b>Cycle Service</b>	100% depth of discharge	350 cycles
	50% depth of discharge	650 cycles
	30% depth of discharge	1300 cycles
<b>Standard Terminals</b>	Faston Tab No.250	

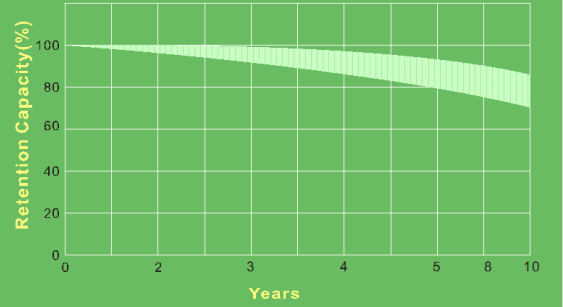
### LIFE CHARACTERISTICS IN CYCLE SERVICE

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)

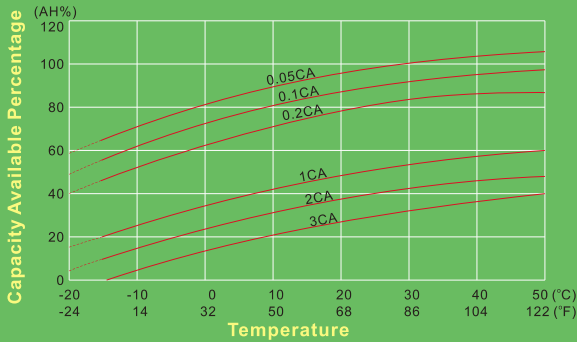


### Float Service Life

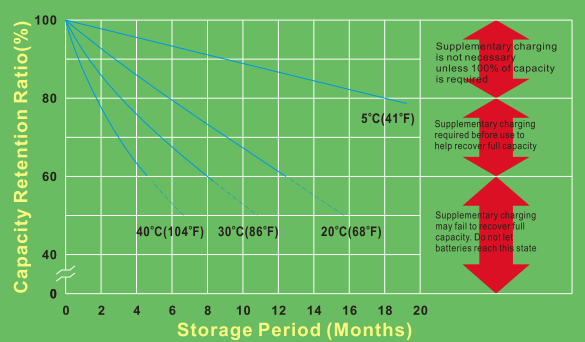
Float Charging Voltage: 2.25~2.30 V.P.C. Ambient Temperature: 20°C(68°F)



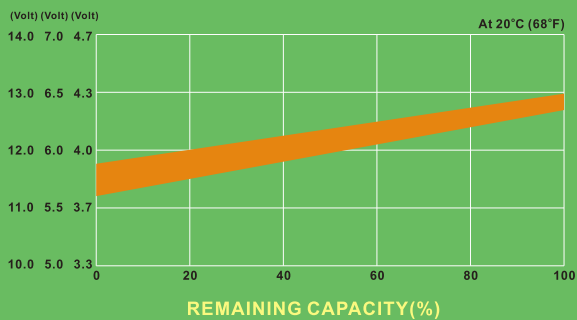
### TEMPERATURE EFFECTS vs CAPACITY



### SHELF LIFE AND STORAGE



### OPEN CIRCUIT VOLTAGE vs REMAINING CAPACITY



### DISCHARGE CHARACTERISTICS

