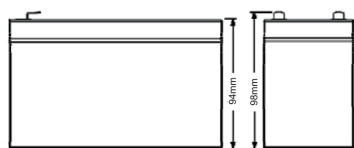
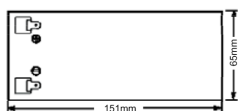




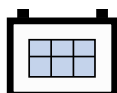
# HIGH PERFORMANCE AM 12-7

## 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;

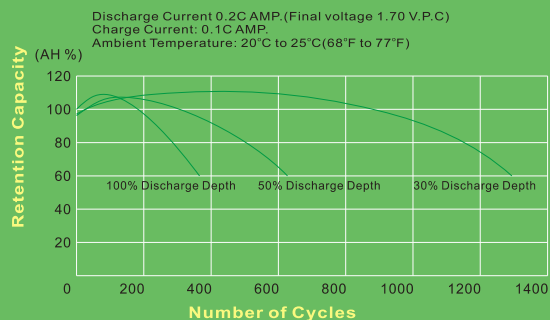
Wide operating temperature range;

Sealed construction for operation in any position.

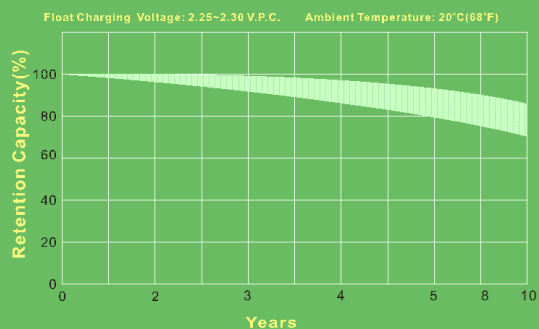
### Performance Specifications

Normal Voltage	12V	
Normal Capacity	20 hour rate (350 mA to 10.5 volts):	7.00 Ah
	10 hour rate (642 mA to 10.5 volts):	6.42 Ah
	5 hour rate (1.16 A to 10.2 volts):	5.78 Ah
	1 hour rate (4.18 A to 9.00 volts):	4.18 Ah
Internal Resistance	28 milliohms	
Approximate Weight	2.10 kg (4.62 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.187	

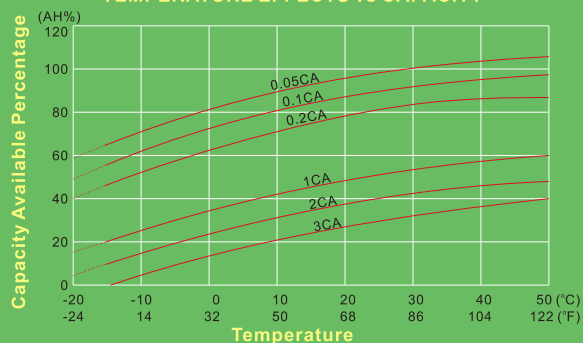
## LIFE CHARACTERISTICS IN CYCLE SERVICE



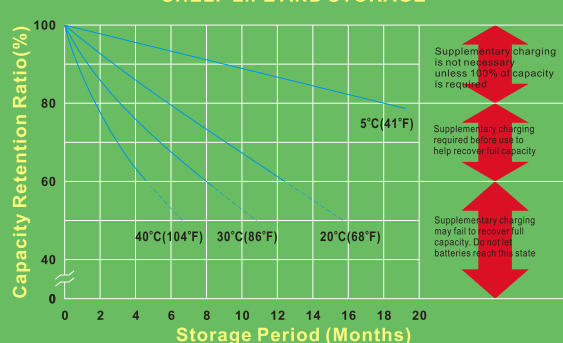
## Float Service Life



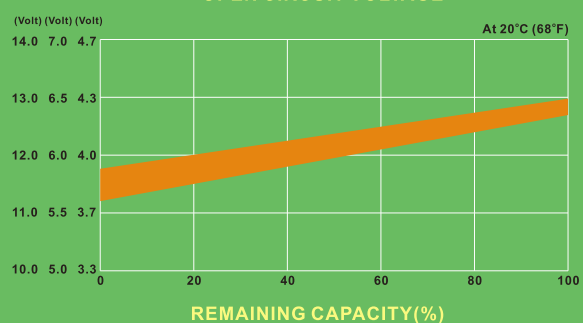
## TEMPERATURE EFFECTS vs CAPACITY



## SHELF LIFE AND STORAGE



## OPEN CIRCUIT VOLTAGE vs REMAINING CAPACITY



## DISCHARGE CHARACTERISTICS

