Sealed Lead-Acid
Rechargeable Battery

6V 3Ah

Manufactured By
EEMB Company Limited

Sealed Lead-Acid Rechargeable Battery

Features:

- Multi cell design for economy of installation and maintenance.
- Individual valve for each cell.
- High quality optional Flame retardant ABS for case and cover.
- Absorbent Glass Matt (AGM) technology for efficient gas recombinati -onof up to 99% and freedom from electrolyte maintenance.
- Not restricted for air transport.
- Not restricted for surface transport.
- Long life.
- Float/Cycle use.
- Low self-discharge rate.
- Use in any position

Specification:

Nominal Capacity (V) .6Volts (3 cells in series)
Nominal Capacity(Ah)
20 hours rate F.V. (1.75V/cell) (60mA to 5.25V) 3.0Ah
10 hours rate F.V. (1.75V/cell) (110mA to 5.25V) 2.76Ah
5 hours rate F.V. (1.75V/cell) (200mA to 5.10V) 2.48Ah
1 hour rate F.V. (1.75V/cell) (700mA to 4.80V) 2.00Ah
Approximate Weight 660g. (2.48lbs.)
Terminal
Standard .Type ST1, Position B
Internal Resistance (Fully Charged Battery) <60m
Maximum Charge Current (A) 45A
Maximum Charge Current (A) 0.90A
Ambient Temperature
Charge .0°C(32°F) ~ 40°C(104°F)
Discharge -20°C(-4°F) ~ 50°C(122°F)
Storage -20°C(-4°F) ~ 50°C(122°F)
Vibration Test (2000 cycles/minute, 0.10 inch excursion,2 hours)
No loss in capacity or performance
Shelf Life-% of nominal capacity at 20°C 2°C(68°F)
3 Months 93%
6 Months 83%
Case .ABS

Dimension mm (inch)

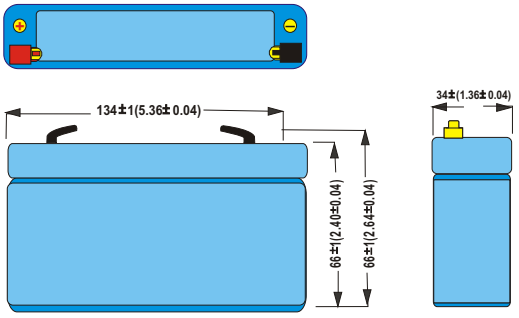
Length	±1mm	.134(5.36")
Width	±1mm	34(2.68")
Container Height	±1mm	60(2.40")
Total Height	±2mm	66(2.64")

Application

- **Electronic Toy-Cars**
- **Emergency Lights**
- **Electronic Torch**
- **UPS**
- **Fan**

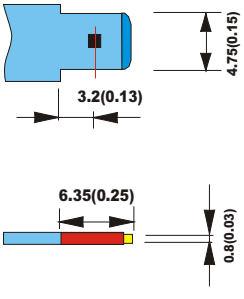
OUTER DIMENSIONS

mm(inch)

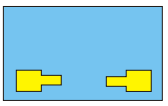


TERMINAL TYPE mm(inch)

●ST1



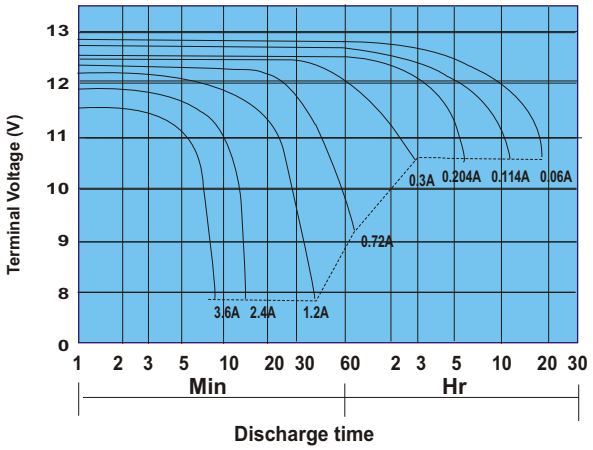
TERMINAL POSITION



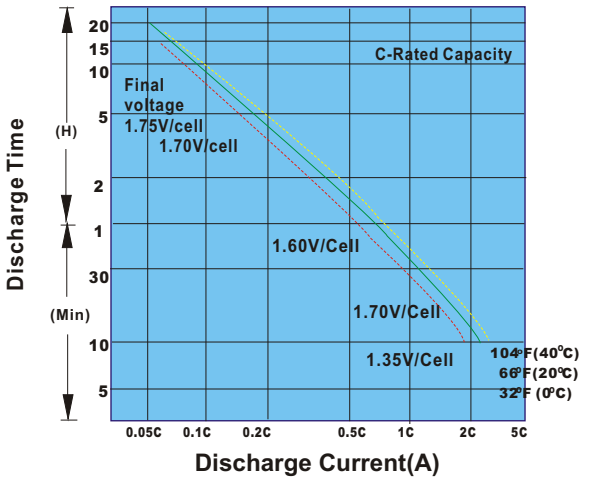
Charging Voltage 20℃(68℉)

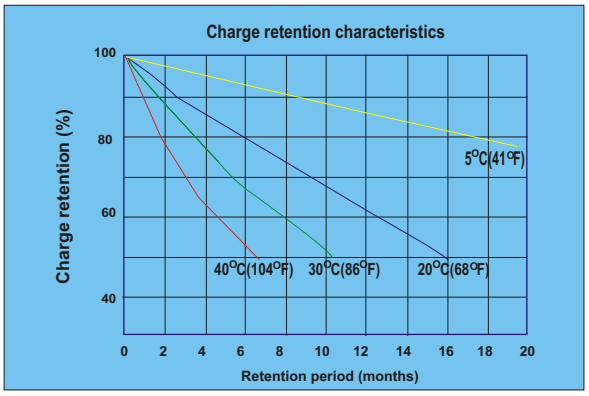
Charge Method	Voltage Setting	Time	Highest Charging Current	Remarks
Floating	6.825±0.15	16 Hours	Unlimited	When used frequently under 0℃ or above 40℃, the voltage must be adjusted by-18mV/℃(using 20℃ as reference)
Cycling	14.5~15	16 Hours	0.9A	When used frequently under 5℃ or above 35℃. The voltage must be adjusted by-24V/℃(using 20℃ as reference)

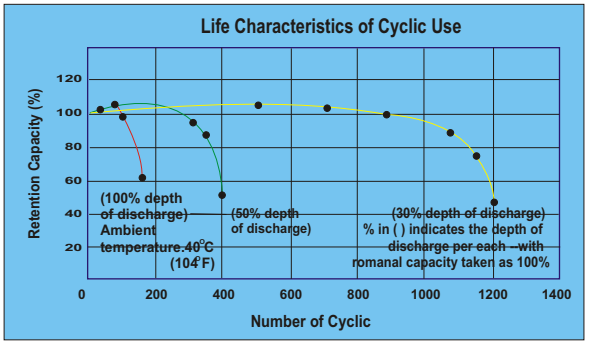
Discharge characteristics (25℃<77℉>)

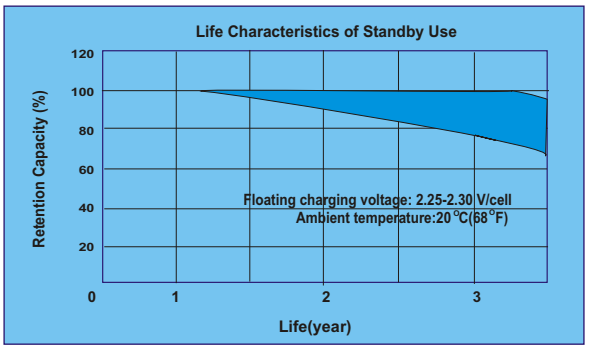


Discharge Characteristics (0 C/32℉,40 C/104℉)




Charge retention characteristics
Charge retention (%)
100
80
60
40
0 2 4 6 8 10 12 14 16 18 20
Retention period (months)
5°C(41°F)
40°C(104°F)
30°C(86°F)
20°C(68°F)


Life Characteristics of Cyclic Use
Retention Capacity (%)
120
100
80
60
40
20
0 200 400 600 800 1000 1200 1400
Number of Cyclic
(100% depth of discharge) Ambient temperature.40°C (104°F)
(50% depth of discharge)
(30% depth of discharge)
% in ( ) indicates the depth of discharge per each with romanal capacity taken as 100%


Life Characteristics of Standby Use
Retention Capacity (%)
120
100
80
60
40
20
0 1 2 3
Life(year)
Floating charging voltage: 2.25-2.30 V/cell
Ambient temperature:20 °C(68°F)