Sealed Lead-Acid
Rechargeable Battery

12V 1.2Ah

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 recombination of 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)	12Volts (6cells inseries)
Nominal Capacity(Ah)	
20 hours rate F.V.(1.75V/cell)(60mA to 5.25V)	1.2Ah
10 hours rate F.V.(1.75V/cell)(110mA to 5.25V)	1.1Ah
5 hours rate F.V.(1.75V/cell)(200mA to 5.10V)	1.0Ah
1 hours rate F.V.(1.75V/cell)(700mA to 4.80V)	0.7Ah
Approximate Weight	560g.(1.23lbs.)
Terminal	
Standard	Type ST1, Position E

Internal Resistance (Fully Charged Battery) <100m Ω

Maximum Charge Current (A) 18A

Maximum Charge Current (A) ... 0.36A

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)

3Months	93%
6Months	83%

Case ABS

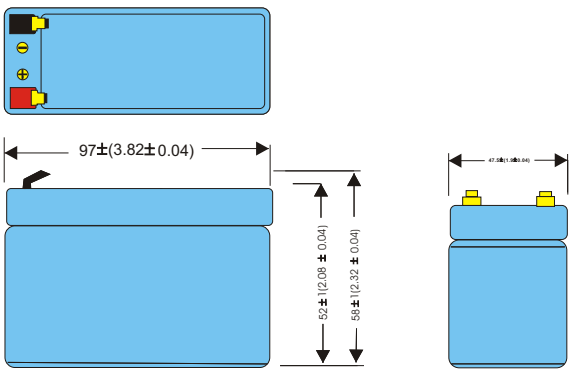
Dimension mm (inch)

Length ±1mm	97(3.82")
Width ±1mm	....47.5(1.90")
Container Height ±1mm	52(2.08")
Total Height ±2mm	... 58(2.32")

APPLICATION

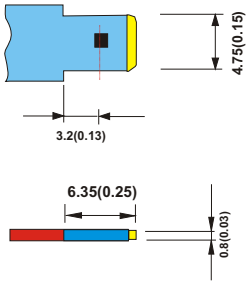
Disaster Prevention Systems & Equipment.

OUTER DIMENSIONS

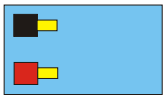


TERMINAL TYPE mm (inch)

● ST 1



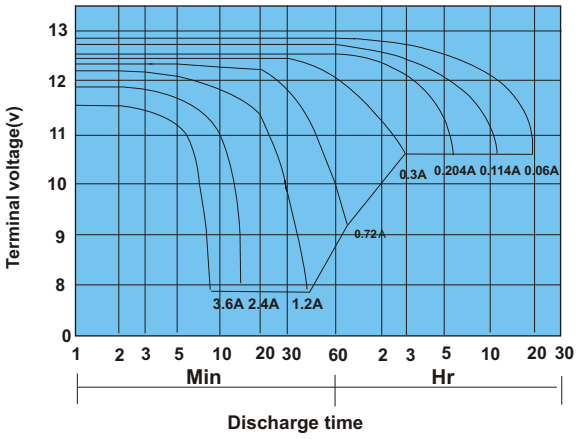
TERMINAL POSITION



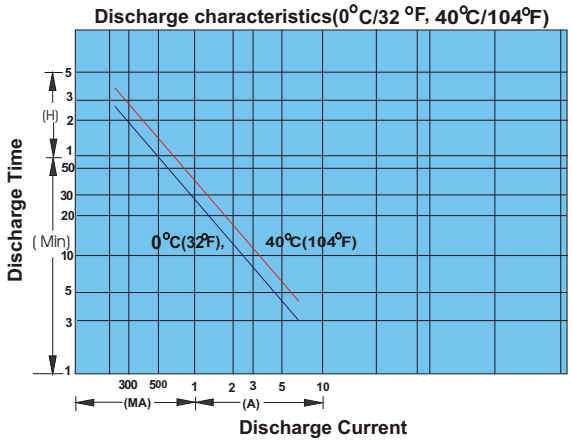
Charging Voltage 20°C(68°F)

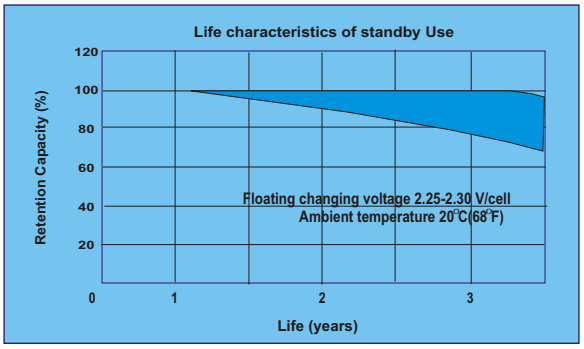
Charge Method	Voltage Setting	Time	Highest Charging Current	Remarks
Floating	13.65±0.15	16 Hours	Unlimited	When used frequently under 0℃ or above 40℃, the voltage must be adjusted by-18mV/℃(using 20 C as reference)
Cycling	14.4~15	16 Hours	0.36A	When used frequently under 5℃ or above 35℃, the voltage must be adjusted by-24mV/℃(using 20℃ as reference)

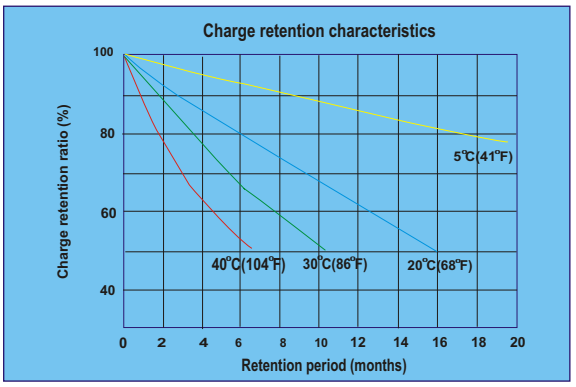
Discharge characteristics(25 °C<77 °F>)

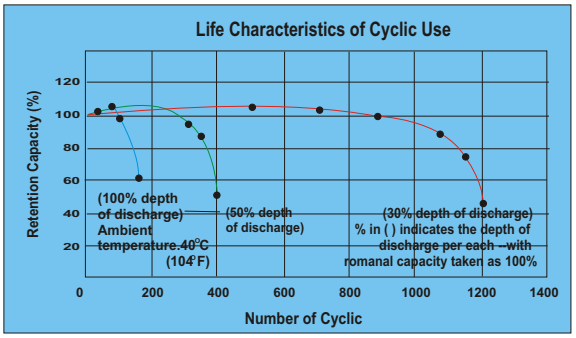


Discharge characteristics(0°C/32 °F, 40°C/104°F)




Life characteristics of standby Use
Retention Capacity (%)
120
100
80
60
40
20
0
1
2
3
Life (years)
Floating changing voltage 2.25-2.30 V/cell
Ambient temperature 20℃(68℉)


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


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℃ (104℉)
(50% depth of discharge)
(30% depth of discharge)
% in ( ) indicates the depth of discharge per each --with romanal capacity taken as 100%