



*Sealed Lead-Acid
Rechargeable Battery*

12V 7Ah



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 (6 cells in series)
Nominal Capacity(Ah)	
20 hours rate F.V. (1.75V/cell) (60mA to 5.25V)	7Ah
10 hours rate F.V. (1.75V/cell) (110mA to 5.25V)	6.44Ah
5 hours rate F.V. (1.75V/cell) (200mA to 5.10V)	5.95Ah
1 hour rate F.V. (1.75V/cell) (700mA to 4.80V)	4.20Ah
Approximate Weight	2500g. (5.50lbs.)
Terminal	
Standard	.Type ST1, Position D
Optional	.Type ST2
Internal Resistance (Fully Charged Battery)	<23m
Maximum Charge Current (A)	.105A
Maximum Charge Current (A)	2.1A
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

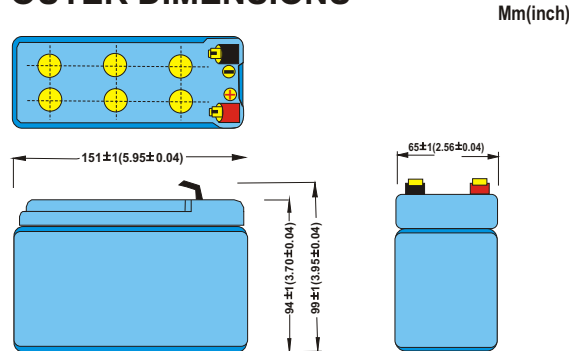
Dimension mm (inch)

Length	± 1 mm	151(5.95")
Width	± 1 mm	65(2.56")
Container Height	± 1 mm	94(3.70")
Total Height	± 2 mm	99(3.96")

Application

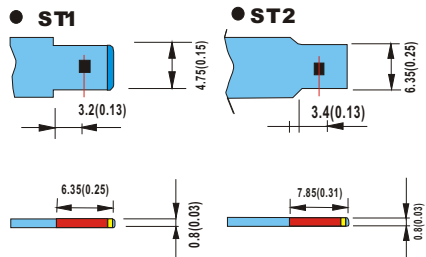
- UPS
- Laboratory Electronic Toy-Cars
- Power Source
- Fish Detectors

OUTER DIMENSIONS



TERMINAL TYPE

Mm(inch)



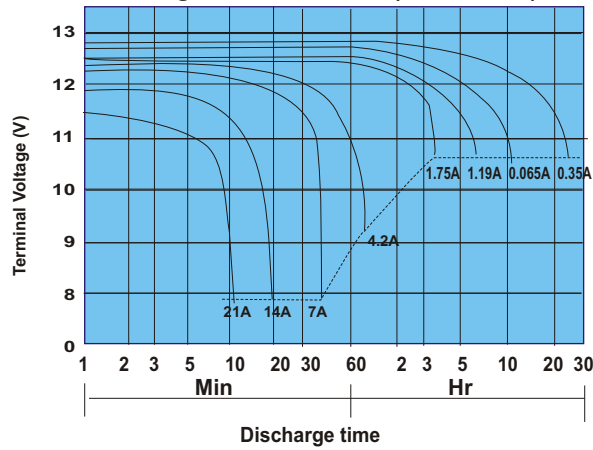
TERMINAL POSITION



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°C or above 40°C, the voltage must be adjusted by -18mV/°C (using 20°C as reference)
Cycling	14.4~15	16 Hours	2.1A	When used frequently under 5°C or above 35°C. The voltage must be adjusted by -24V/°C (using 20°C as reference)

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



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

