Valve Regulated Lead-Acid Rechargeable Battery

LA-6V12TOY

The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can be used in any direction and position without leakage.

PERFORMANCE SPECIFICATIONS

Nominal Voltage(V).....6 volts(3cells in series)

Nominal Capacity(AH)

20 hour rate F.V.(1.75V/cell) (650mA to 5.25volts) .....13.0A.H.

10 hour rate F.V.(1.75V/cell) (1235mA to 5.25volts).....12.35A.H.

5 hour rate F.V.(1.75V/cell) (2210mA to 5.25volts) .....11.05A.H.

30 Min rate F.V.(1.30V/cell) (13000mA to 3.90volts).....6.50A.H.

Approximate Weight..... 2500g(5.51lbs.)

Terminal

Standard.....Type H

Fuse.....Type 30A

Internal Resistance (Fully Charged Battery).....<8mΩ

Maximum Discharge Current For 5 sec.(A).....30A

Maximum Charge Current(A).....3.90A

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)~40°C(104°F)

Vibration test:

Frequency: 16.7HZ

Amplitude: 4mm

Vibrate the battery horizontally or vertically for 60 minutes. The battery have no abnormality.

Case.....ABS

Dimension(mm/inch)

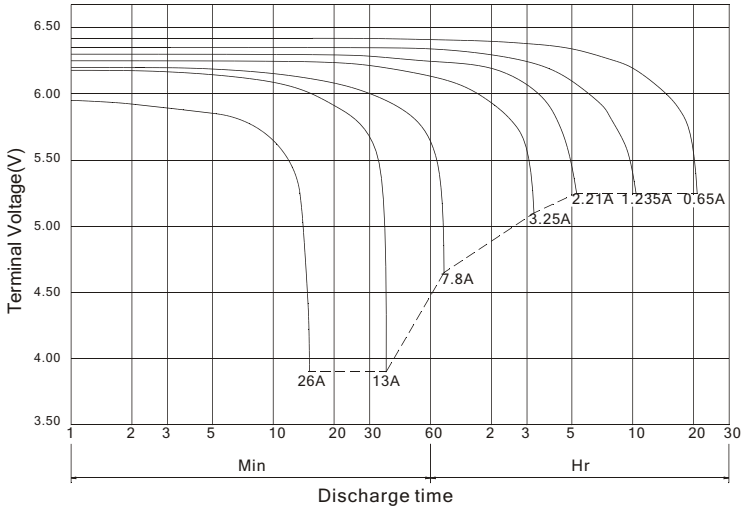
Length ±1.5mm.....108/4.25

Width ±1.5mm.....71/2.80

Container Height ±1.5mm.....140/5.51

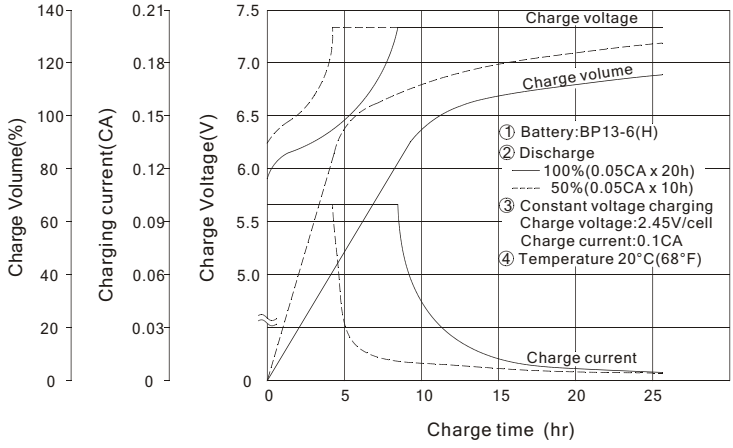
Application.....Electronic Toy-Cars,Emergency Lights, Rechargeable Flash Lights, Fans.

Battery discharge characteristics (25°C/77°F)



Battery Charging Characteristics

(Typical example of the charge characteristics for the cycle use)



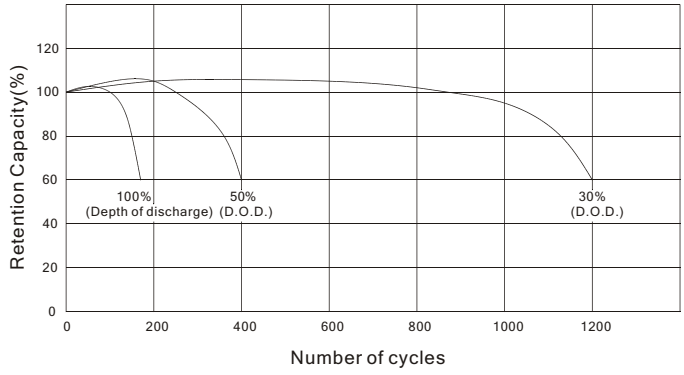
Charging Procedure

Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

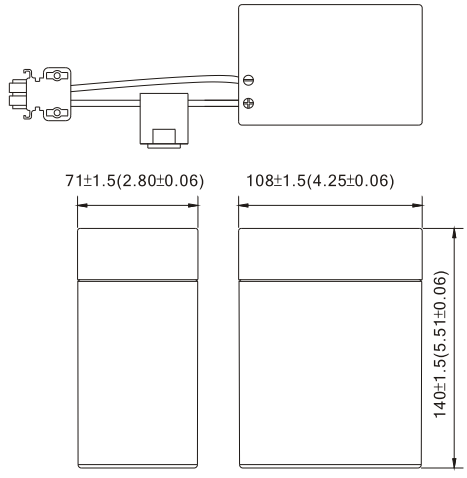
*Temperature compensation of charging voltage is not needed, when using the batteries within 5°C to 35°C range.

Battery Life Characteristics of Cyclic Use

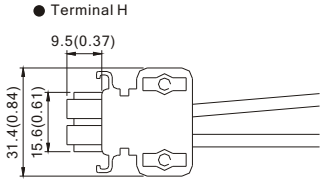
Testing Conditions :Discharge Current : 0.25C Amp(F.V. 1.7v/cell)
Charging Current : 0.1C Amp
Charging Volume : 120% OF Discharge Capacity
Ambient Temperature : 20C (68F)



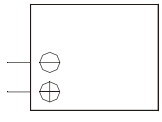
OUTER DIMENSIONS mm(inch)



TERMINAL TYPE



TERMINAL POSITION



Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time					
	30Min	1Hr	3Hr	5Hr	10Hr	20Hr
	Battery output power(W)					
5.40V	82.5	47.31	18.95	13.06	7.30	3.82
5.25V	85.6	48.73	19.33	13.26	7.41	3.90
5.10V	87.6	49.60	19.50	13.33	7.45	3.92
4.95V	88.8	50.20	19.64	13.38	7.47	3.93
4.80V	89.7	50.70	19.75	13.42	7.47	3.93

MH19884

ISO9001 REGISTERED COMPANY

WSC ISO14001