

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(0.10A	to	10.50V)	2.0Ah
10 hour rate	(0.19A	to	10.50V)	1.9Ah
5 hour rate	(0.34A	to	10.20V)	1.7Ah
1C	(2.0A	to	9.60V)	0.9Ah

Weight

Approx. 690g(1.52Lbs.)

Internal Resistance (at 1KHz)

Approx. 105 mΩ

Temperature Resistance from Thermal Protector

65±5°C

Maximum Current Resistance

10A

Charging Methods at 25°C (77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 0.6A

Standby use:

Float Charging Voltage 13.5 to 13.8V

Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge -15°C (5°F) to 40°C (104°F)

Discharge -15°C (5°F) to 50°C (122°F)

Storage -15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

Design Life

3-5 Years.

Terminal

F13

(Thermal Protector)



⚡ Dimensions

Length (L)

182±1 (7.17±0.04)

Width (W)

23±1 (0.91±0.04)

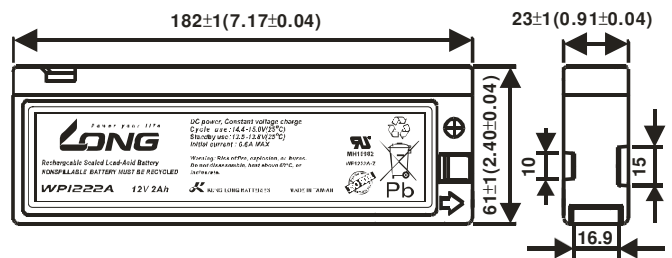
Height (H)

61±1 (2.40±0.04)

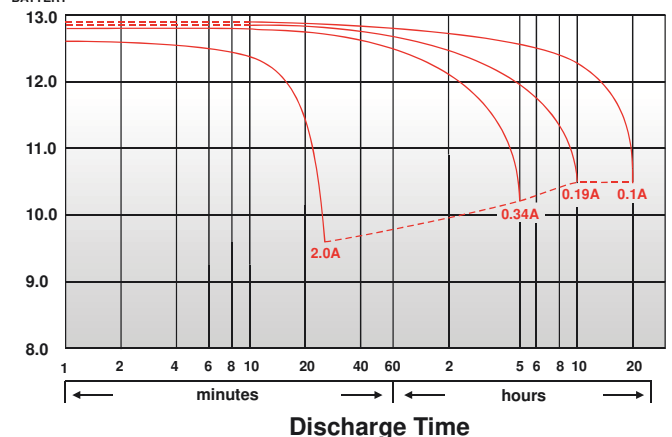
Overall Height (HT)

61±1 (2.40±0.04)

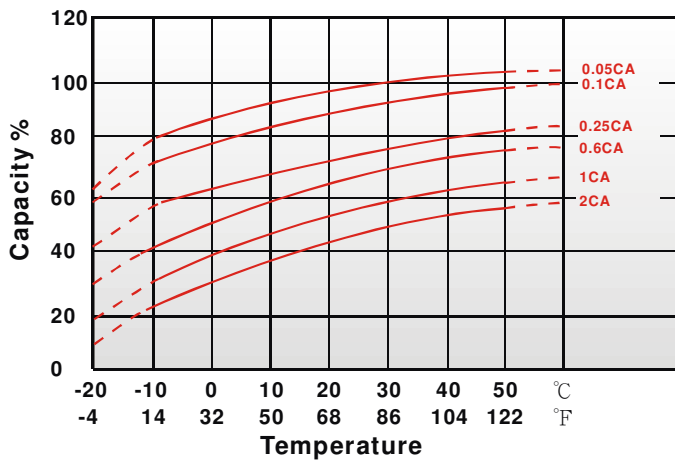
mm(inch)



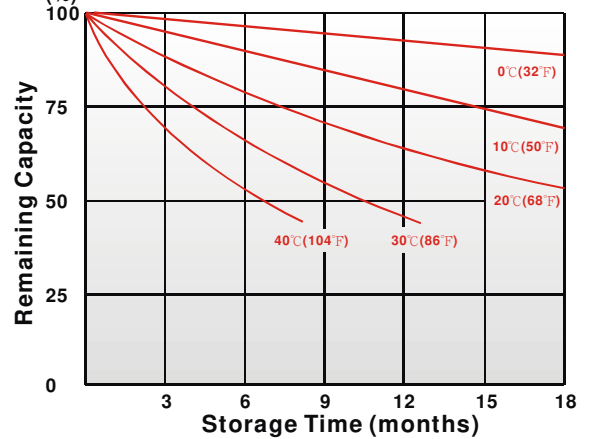
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



Effect of Temperature on Capacity 25°C (77°F)

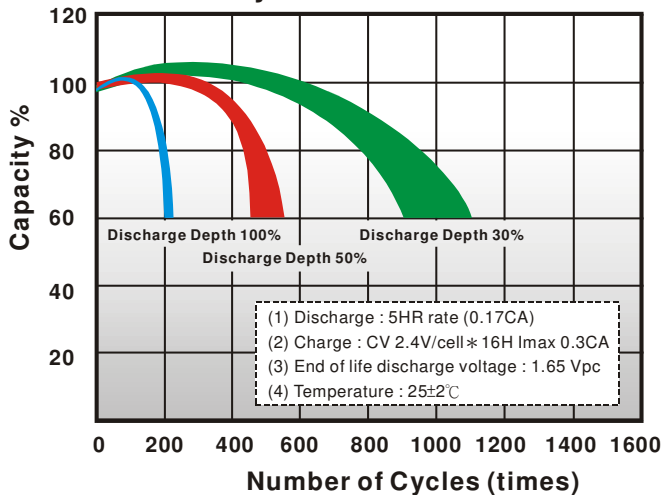


Capacity Retention Characteristic

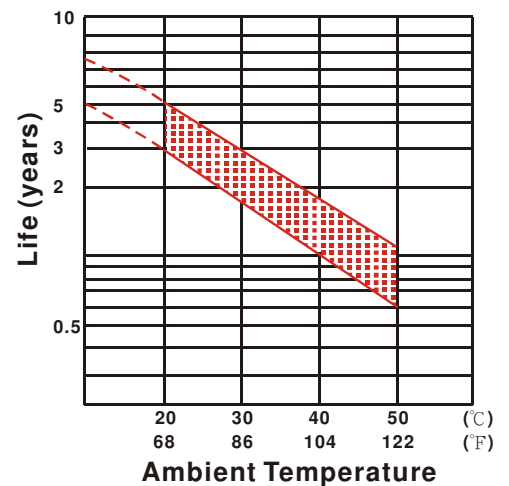


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Cycle Service Life



Trickle (or float) Service Life



040119-1D