

### ⚡ 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)

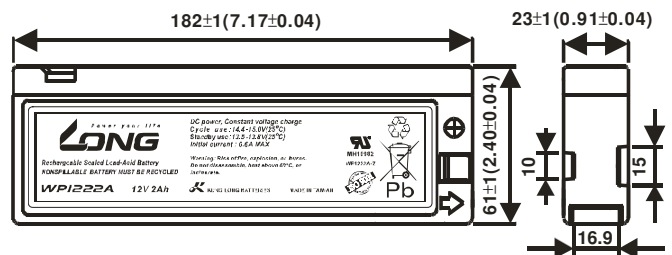
#### Height (H)

61±1 (2.40±0.04)

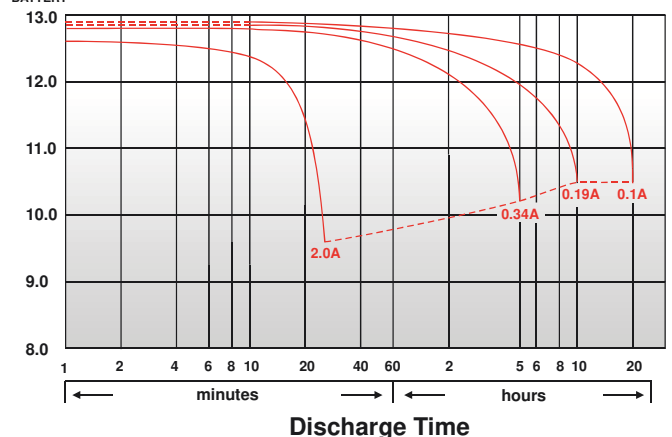
#### Overall Height (HT)

61±1 (2.40±0.04)

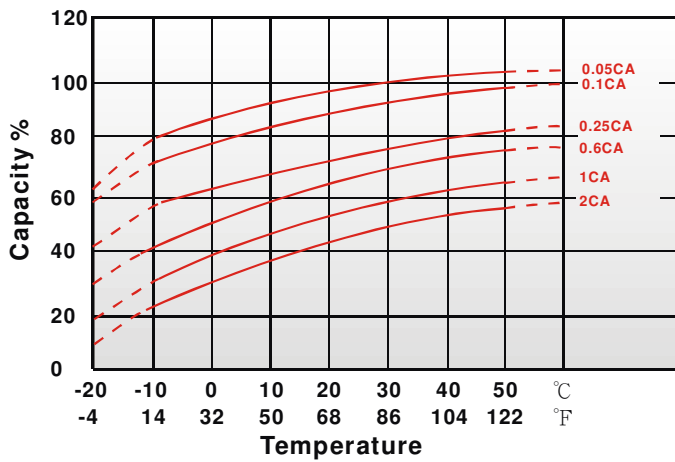
mm(inch)



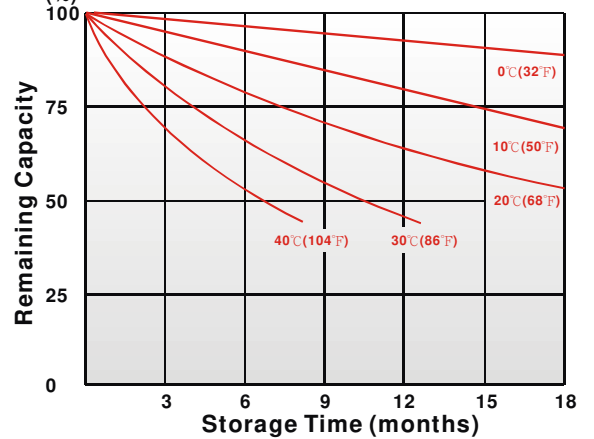
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



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

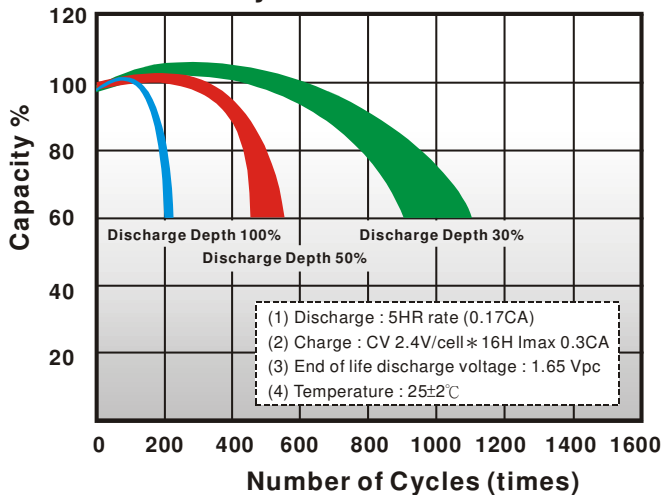


**Capacity Retention Characteristic**

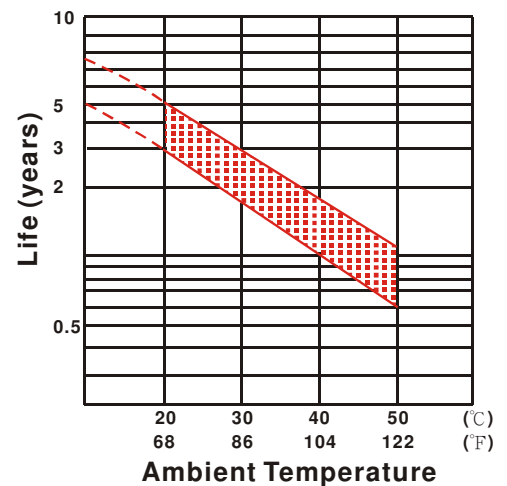


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**Cycle Service Life**



**Trickle (or float) Service Life**



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