

⚡ 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. 650g(1.43Lbs.)

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)

143±1 (5.63±0.04)

Width (W)

23±1 (0.91±0.04)

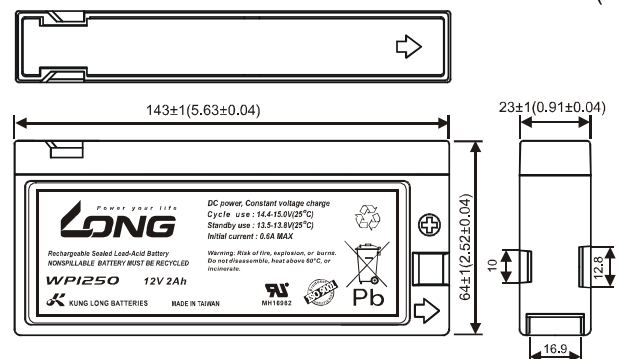
Height (H)

64±1 (2.52±0.04)

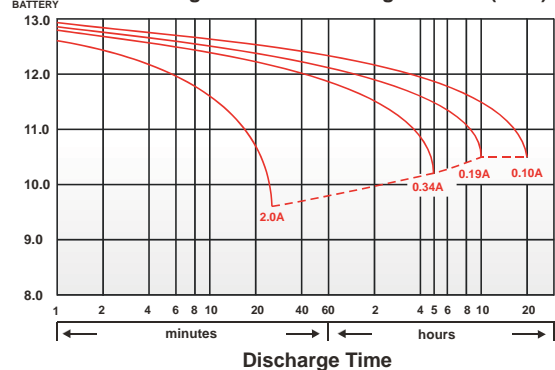
Overall Height (HT)

64±1 (2.52±0.04)

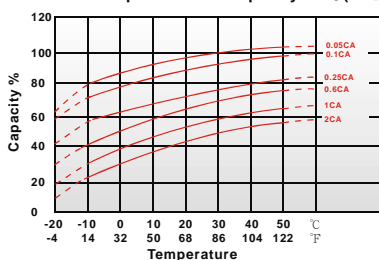
mm(inch)



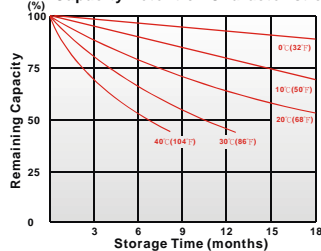
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



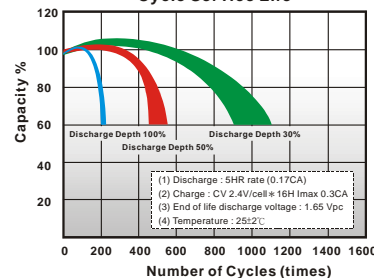
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life

