

### Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

20 hour rate	(1.8A to 10.50V)	36Ah
10 hour rate	(3.42A to 10.50V)	34.2Ah
5 hour rate	(6.12A to 10.20V)	30.6Ah
1C	(36A to 9.60V)	22.8Ah
3C	(108A to 9.60V)	14.4Ah

#### Weight

Approx. 11.0kg(24.2Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 8 mΩ

#### Maximum Discharge Current for

5 seconds:540A

#### Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C/cell
Maximum Charging Current :	10.8A
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	97%
3 month	92%
6 month	85%

#### Case Material

ABS UL94 HB  
Option: Flammability resistance of (UL94 V-0)

#### Design Life & Standard

Expected Trickle Design Life: 10-12 years at 20°C according to Eurobat.

#### Terminal

F4



### Dimensions

#### Length (L)

197 ±<sup>2</sup><sub>1</sub> (7.76 ±<sup>0.08</sup><sub>0.04</sub>)

#### Width (W)

131 ±<sup>2</sup><sub>1</sub> (5.16 ±<sup>0.08</sup><sub>0.04</sub>)

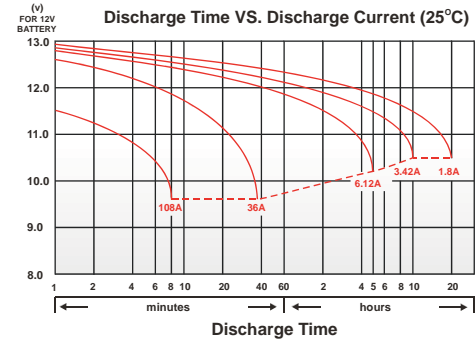
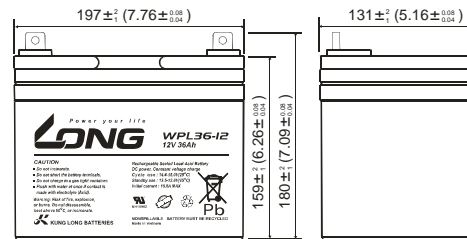
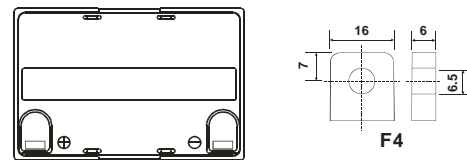
#### Height (H)

159 ±<sup>2</sup><sub>1</sub> (6.26 ±<sup>0.08</sup><sub>0.04</sub>)

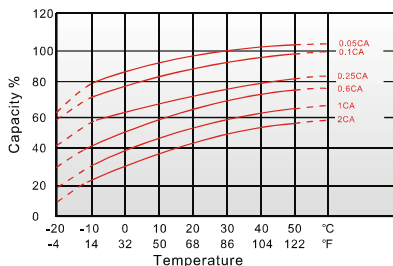
#### Overall Height (HT)

180 ±<sup>2</sup><sub>1</sub> (7.09 ±<sup>0.08</sup><sub>0.04</sub>)

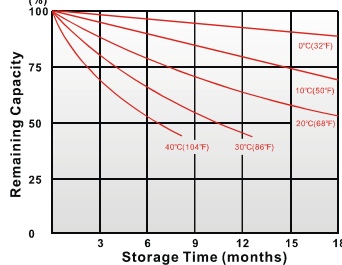
mm(inch)



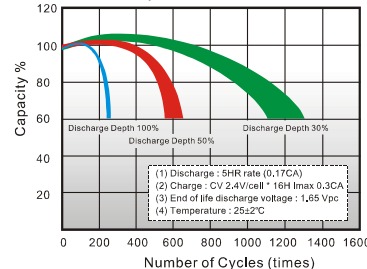
Effect of Temperature on Capacity 25°C(77°F)



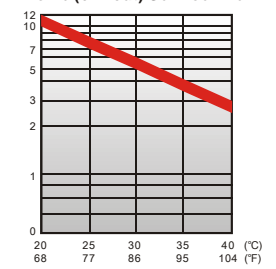
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



250324-1D-V