

### ⚡ Specifications

#### Nominal Voltage(V)

2V

#### Nominal Capacity at 25°C(77°F)

10 hour rate	(30A to 1.80V)	300Ah
5 hour rate	(48A to 1.80V)	240Ah
3 hour rate	(75A to 1.80V)	225Ah
1 hour rate	(180A to 1.80V)	180Ah

#### Weight

≥18kg(39.6Lbs.)

#### Internal Resistance (at 1KHz)

≤0.7mΩ

#### Maximum Discharge Current for

5 seconds: 1800A

#### Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	2.33 to 2.45V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	90A
Standby use:	
Float Charging Voltage	2.20 to 2.30V
Coefficient -3.0mV/°C/cell	

#### Operating Temperature Range

Charge	-20°C(4°F)	to	60°C(140°F)
Discharge	-20°C(4°F)	to	60°C(140°F)
Storage	-20°C(4°F)	to	60°C(140°F)

#### Charge Retention (shelf life) at 25°C(77°F)

1 month	98%
3 month	94%
6 month	85%

#### Case Material

ABS UL94 HB

Option: Flammability resistance of (UL94 V-0)

#### Design Life

15 Years.

#### Terminal

F18

#### Battery Construction



### ⚡ Dimensions

#### Length (L)

170±3 (6.69±0.12)

#### Width (W)

150±3 (5.91±0.12)

#### Height (H)

333±3 (13.11±0.12)

#### Overall Height (HT)

342.5±3 (13.48±0.12)

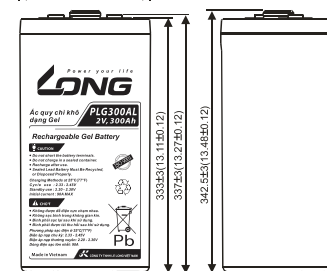
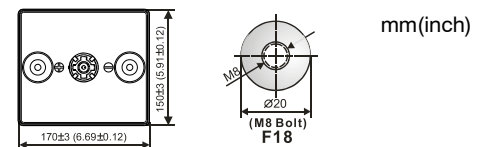
#### Description of torque value of hard ware for the terminals:

Recommended torque value

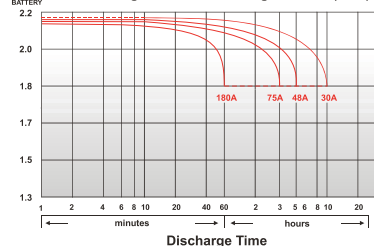
M8:12 N-m(122kgf-cm)

Maximum allowable torque value

M8:20 N-m(204kgf-cm)

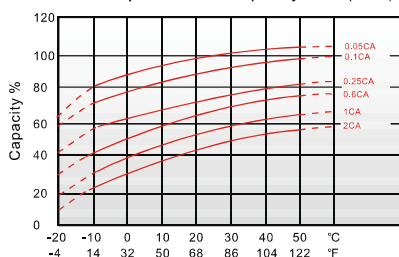


(V) FOR 2V BATTERY Discharge Time VS. Discharge Current (25°C)

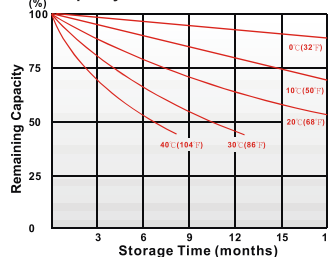


Positive plate	Negative Plate	Electrolyte	Terminal	Safety valve	Separator	Efficient gas recombination
Lead dioxide	Lead	Gelled Sulfuric acid	Copper	Rubber	Absorbent Micropropous Glass Mat	99%

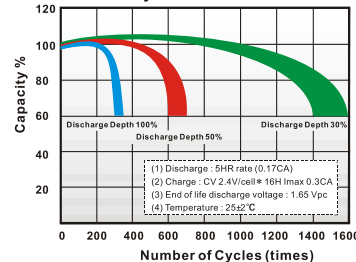
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life (25°C)

