

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

10 hour rate	(20A	to	10.80V)	200Ah
5 hour rate	(34A	to	10.80V)	170Ah
3 hour rate	(50A	to	10.80V)	150Ah
1 hour rate	(110A	to	10.80V)	110Ah

#### Weight

Approx. 68kg(149.9Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 3.0 mΩ

#### Maximum Discharge Current for

5 seconds: 1600A

#### Charging Methods at 25°C(77°F)

Maximum Charging Current :	60A
Boost Charging Voltage	14.1 to 14.8V
Boost Charge Time	8-9Hr
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	98%
3 month	94%
6 month	85%

#### Case Material

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

#### Design Life

12 Years.

#### Terminal

F18



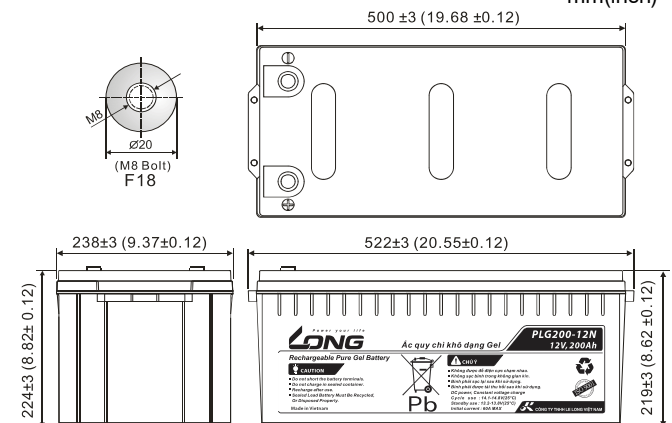
### ⚡ Dimensions

Length (L)	522±3 (20.55±0.12)
Width (W)	238±3 (9.37±0.12)
Height (H)	219±3 (8.62±0.12)
Overall Height (HT)	224±3 (8.82±0.12)

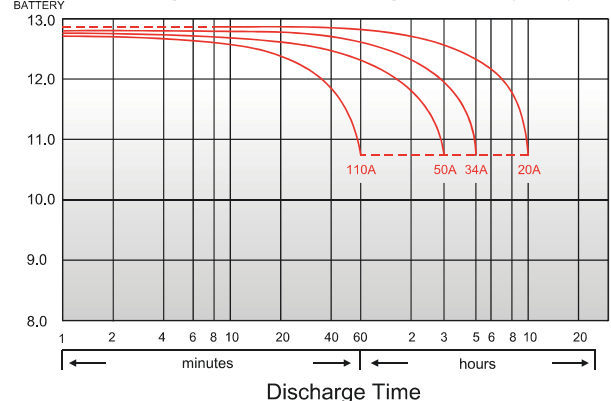
#### Description of torque value of hard ware for the terminals:

Recommended torque value	M8:12 N-m (122kgf-cm)
Maximum allowable torque value	M8:20 N-m (204kgf-cm)

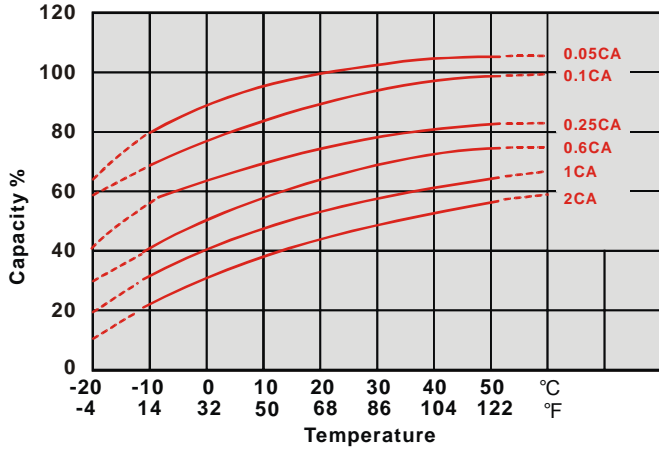
mm(inch)



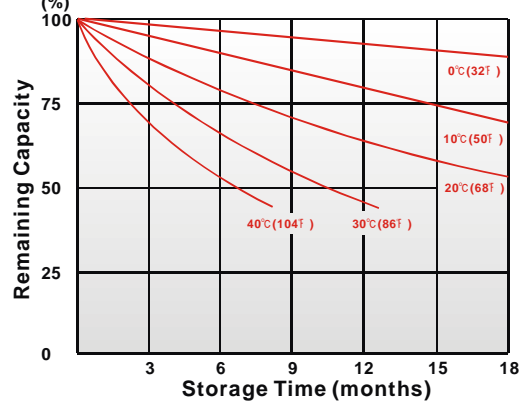
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



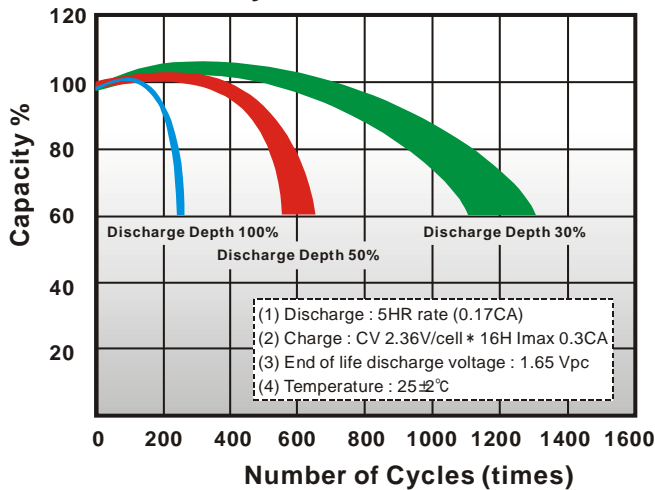
Effect of Temperature on Capacity 25°C (77°F)



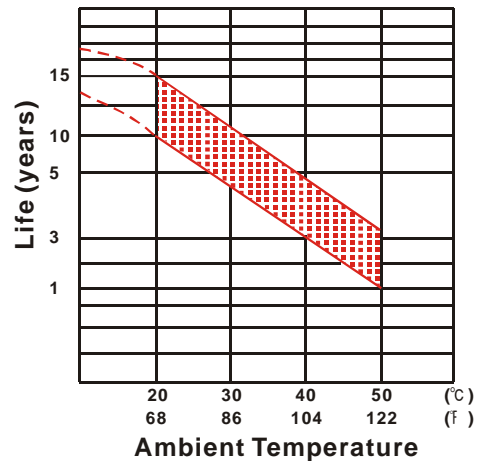
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



180522-1B-V