

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C (68°F)

10 hour rate	(60A to 1.80V)	600Ah
5 hour rate	(102A to 1.75V)	510Ah
1 hour rate	(330A to 1.75V)	330Ah
1C	(600A to 1.60V)	360Ah

Weight

Approx. 35.7kg(78.54Lbs.)

Internal Resistance (at 1KHz)

Approx. 0.5 mΩ

Maximum Discharge Current for

5 seconds: 3600A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 180A

Standby use:

Float Charging Voltage 2.21 to 2.25V

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

Expected Trickle Design Life: 12-15 years at 20°C according to Eurobat.

Terminal

F18



⚡ Dimensions

Length (L)

241±3 (9.49±0.12)

Width (W)

172±3 (6.77±0.12)

Height (H)

329.5±3 (12.97±0.12)

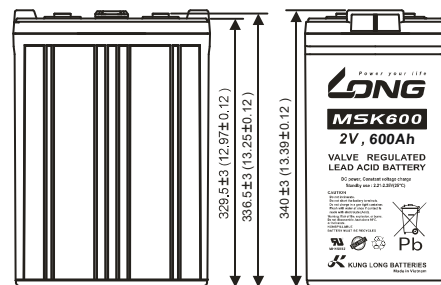
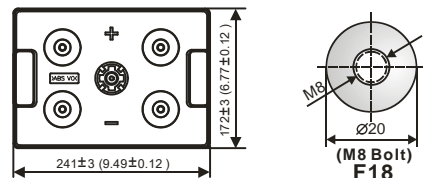
Overall Height (HT)

340±3 (13.39±0.12)

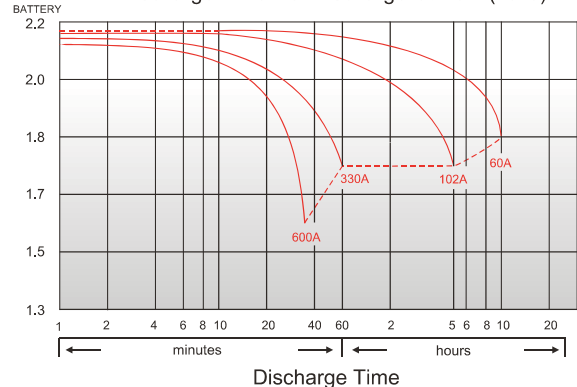
Description of torque value of hard ware for the terminals:

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

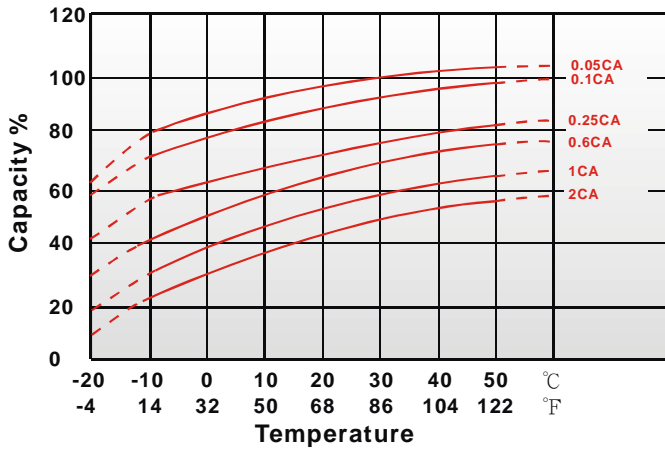
mm(inch)



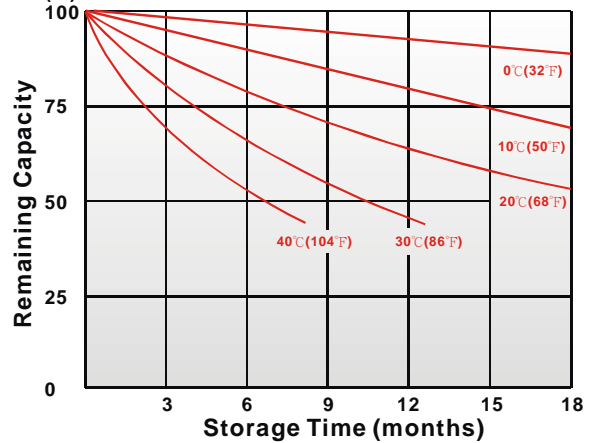
(V) FOR 2V BATTERY Discharge Time VS. Discharge Current (25°C)



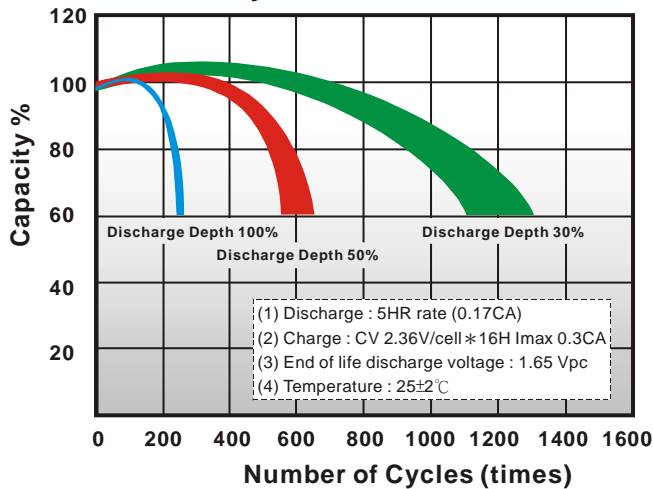
Effect of Temperature on Capacity 25°C (77°F)



Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life

