

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C(68°F)

10	hour rate	(80A	to	1.80V)	800Ah
5	hour rate	(144A	to	1.75V)	720Ah
3	hour rate	(224A	to	1.70V)	672Ah
1	hour rate	(520A	to	1.60V)	520Ah

Weight

Approx. 56.2kg(123.64Lbs.)

Internal Resistance (at 1KHz)

≤0.5 mΩ

Maximum Discharge Current for

5 seconds: 4800A

Short Circuit Current (A)

8000 A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 2.33 to 2.36V

Coefficient -5.0mV/°C/cell

Maximum Charging Current : 240A

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)

410±3 (16.14±0.12)

Width (W)

175±3 (6.89±0.12)

Height (H)

330±3 (12.99±0.12)

Overall Height (HT)

356±3 (14.02±0.12)

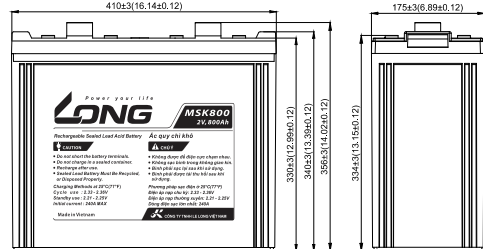
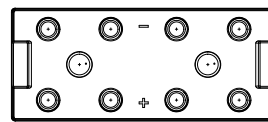
Description of torque value of hard ware for the terminals:

Recommended torque value

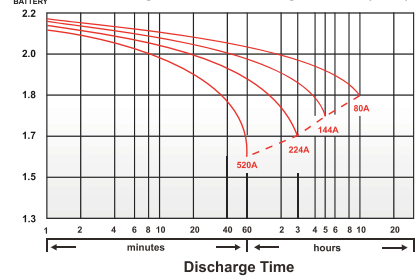
M8:12 N-m (122kgf-cm)

Maximum allowable torque value

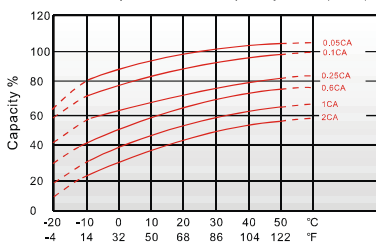
M8:20 N-m (204kgf-cm)



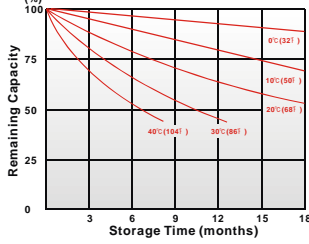
FOR 6V BATTERY Discharge Time VS. Discharge Current (25°C)



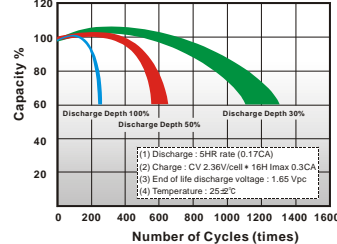
Effect of Temperature on Capacity 25°C(77°F)



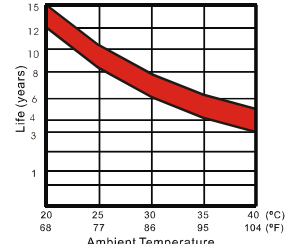
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



141022-1A-VNM0453