

⚡ Specifications

Nominal Voltage (V)

12V

Nominal Capacity

10 hour rate	(10A to 10.80V)	100Ah
5 hour rate	(17A to 10.20V)	85Ah
1 hour rate	(60A to 9.60V)	60Ah
1 C	(100A to 9.60V)	63.3Ah

Weight

Approx. 31.2kg(68.6Lbs.)

Internal Resistance (at 1KHz)

Approx. 5mΩ

Maximum Discharge Current for

5 seconds: 600A

Charging Methods at 25°C(77°F)

Cycle use:
 Charging Voltage 14.4 to 15.0V
 Coefficient -5.0mV/°C/cell
 Maximum Charging Current : 30A
 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 98%
 3 month 94%
 6 month 85%

Case Material

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

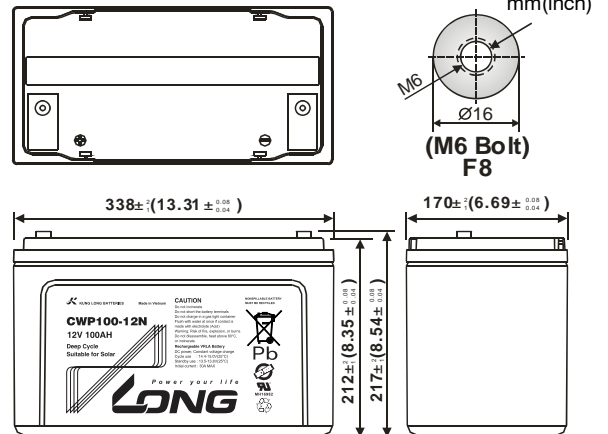


⚡ Dimensions

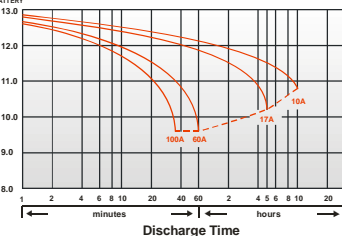
Length (L)	338± ² ₁ (13.31± ^{0.08} _{0.04})
Width (W)	170± ² ₁ (6.69± ^{0.08} _{0.04})
Height (H)	212± ² ₁ (8.35± ^{0.08} _{0.04})
Overall Height (HT)	217± ² ₁ (8.54± ^{0.08} _{0.04})
Terminal	F8

Description of torque value of hard ware for the terminals:

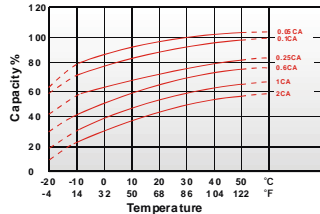
Recommended torque value M6: 7 N-m (71 kgf-cm)
 Maximum allowable torque value M6: 10 N-m (102 kgf-cm)



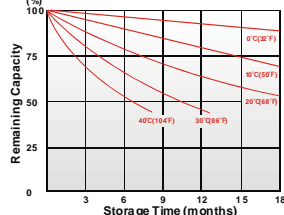
(b) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



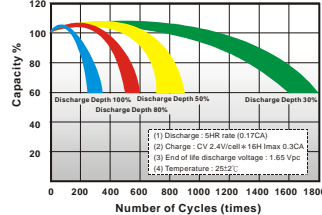
Effect of Temperature on Capacity 25°C (77°F)



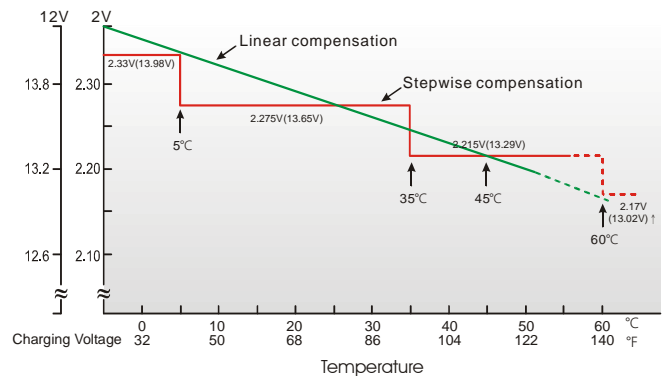
Capacity Retention Characteristic



Cycle Service Life



Relationship Between Temperature and Charging Voltage



150223-1A