

⚡ Specifications

Nominal Voltage (V)

12V

Nominal Capacity

10 hour rate	(11.5A to 10.80V)	115Ah
5 hour rate	(19.55A to 10.20V)	97.75Ah
1 hour rate	(69A to 9.60V)	69Ah
1 C	(115A to 9.60V)	72.83Ah

Weight

Approx. 34.5kg(75.9Lbs.)

Internal Resistance (at 1KHz)

Approx. 5mΩ

Maximum Discharge Current for

5 seconds: 690A

Charging Methods at 25°C(77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	34.5A
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)

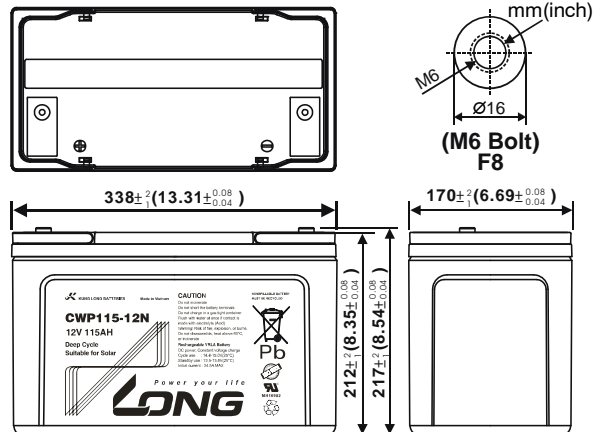


⚡ Dimensions

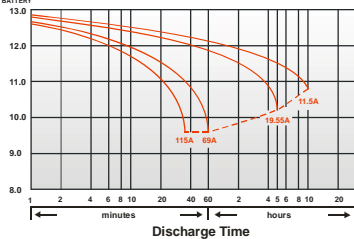
Length (L)	338± ² ₁ (13.31± ^{0.08} _{0.04})
Width (W)	170± ² ₁ (6.69± ^{0.08} _{0.04})
Height (H)	212± ² ₁ (8.35± ^{0.08} _{0.04})
Overall Height (HT)	217± ² ₁ (8.54± ^{0.08} _{0.04})
Terminal	F8

Description of torque value of hard ware for the terminals:

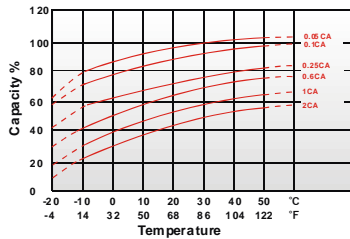
Recommended torque value	M6: 7 N-m (71 kgf-cm)
Maximum allowable torque value	M6: 10 N-m (102 kgf-cm)



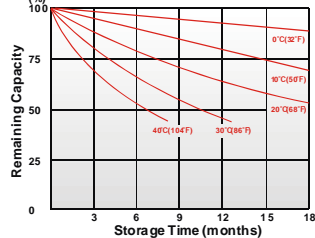
(H) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



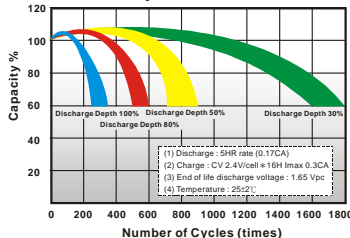
Effect of Temperature on Capacity 25°C (77°F)



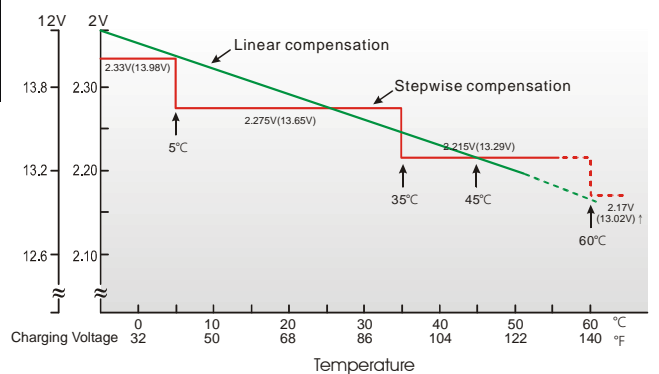
Capacity Retention Characteristic



Cycle Service Life



Relationship Between Temperature and Charging Voltage



150223-1A