

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±₁²(13.31±_{0.04}^{0.08})

Width (W) 170±₁²(6.69±_{0.04}^{0.08})

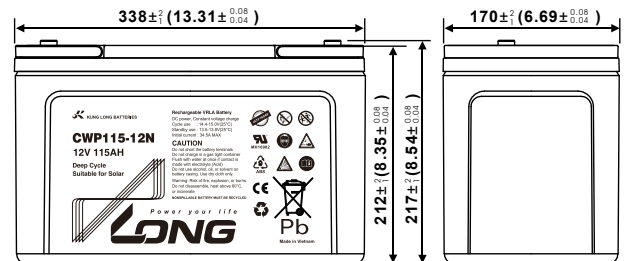
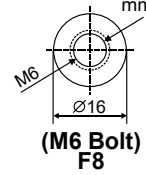
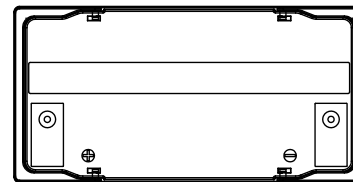
Height (H) 212±₁²(8.35±_{0.04}^{0.08})

Overall Height (HT) 217±₁²(8.54±_{0.04}^{0.08})

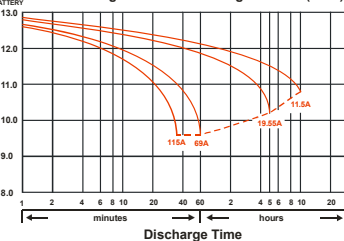
Terminal F8

Description of torque value of hardware for the terminals:

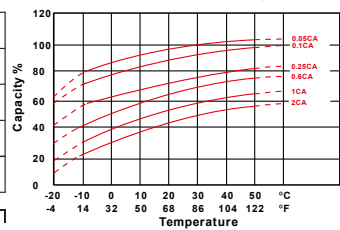
Recommended torque value M6: 7 N-m (71 kgf-cm)
Maximum allowable torque value M6: 10 N-m (102 kgf-cm)



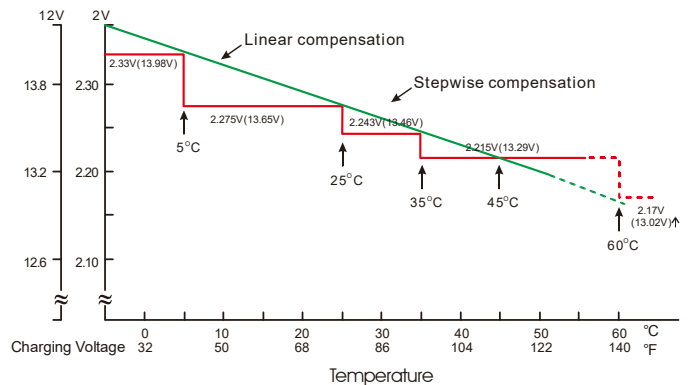
(iv) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



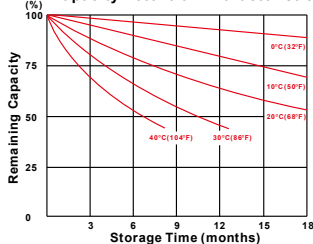
Effect of Temperature on Capacity 25°C(77°F)



Relationship Between Temperature and Charging Voltage



Capacity Retention Characteristic



Cycle Service Life

