

⚡ Specifications

Nominal Voltage(V)

12V

Nominal Capacity

20 hour rate	(1.1A to 10.50V)	22Ah
10 hour rate	(2.09A to 10.50V)	20.9Ah
5 hour rate	(3.74A to 10.20V)	18.7Ah
1 C	(22A to 9.60V)	13.93Ah
3 C	(66A to 9.60V)	8.8Ah

Cold Cranking Amperes (-18°C)

200A

Cranking Amperes (25°C)

315A

Weight

Approx. 7.05kg(15.51Lbs.)

Internal Resistance (at 1KHz)

Approx. 6.5 mΩ

Maximum Discharge Current for

5 seconds: 330A

Charging Methods at 25°C (77°F)

Cycle use:	
Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C/cell
Maximum Charging Current :	6.6A
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	97%
3 month	92%
6 month	85%

Case Material

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

Design Life

3-5 Years.

Terminal

F6



⚡ Dimensions

Length (L) 181±²_{0.04} (7.13±^{0.08}_{0.04})

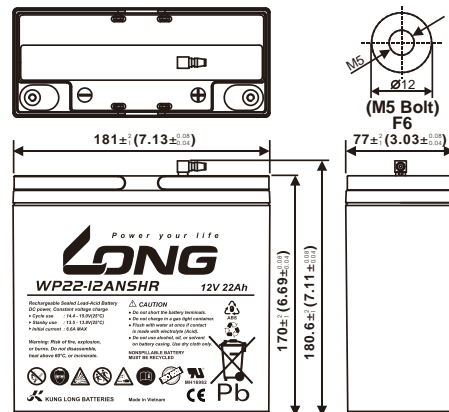
Width (W) 77±²_{0.04} (3.03±^{0.08}_{0.04})

Height (H) 170±²_{0.04} (6.69±^{0.08}_{0.04})

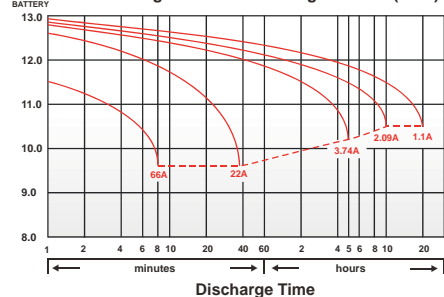
Overall Height (HT) 180.6±²_{0.04} (7.11±^{0.08}_{0.04})

Description of torque value of hard ware for the terminals:

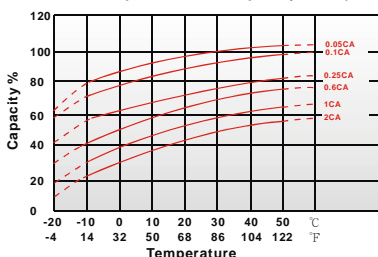
Recommended torque value M5: 4 N-m (41kgf-cm)
Maximum allowable torque value M5: 6 N-m (61kgf-cm)



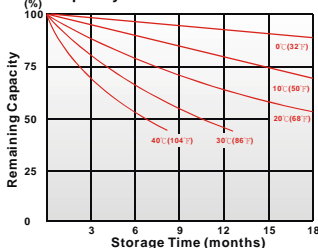
(v) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



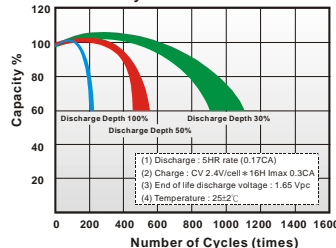
Effect of Temperature on Capacity 25°C(77°F)



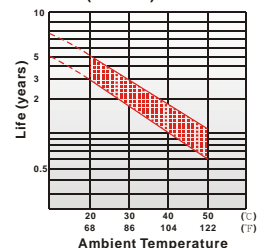
Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life



090524-1E