

### 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

#### Storage Capacity (RC,25A duration time)

32min

#### Weight

Approx. 7.05kg(15.51Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 6.7 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

EUROBAT(20°C): 3-5 YEARS STANDARD COMMERCIAL

#### Terminal

F6



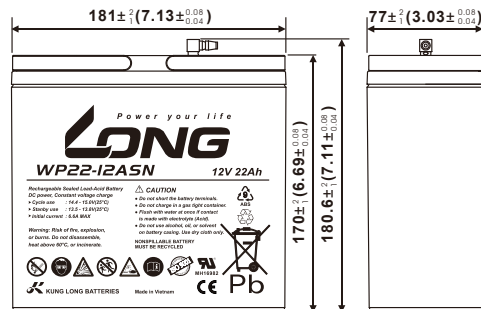
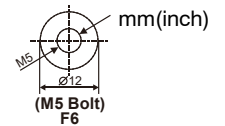
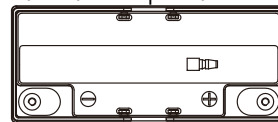
### Dimensions

Length (L)	181 ± <sub>1</sub> <sup>0.08</sup> (7.13 ± <sub>0.04</sub> <sup>0.08</sup> )
Width (W)	77 ± <sub>1</sub> <sup>0.08</sup> (3.03 ± <sub>0.04</sub> <sup>0.08</sup> )
Height (H)	170 ± <sub>1</sub> <sup>0.08</sup> (6.69 ± <sub>0.04</sub> <sup>0.08</sup> )
Overall Height (HT)	180.6 ± <sub>1</sub> <sup>0.08</sup> (7.11 ± <sub>0.04</sub> <sup>0.08</sup> )

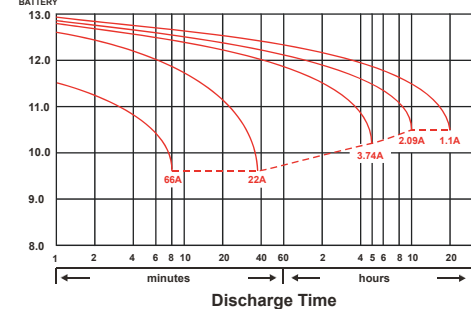
Handle is optional

#### Description of torque value of hard ware for the terminals:

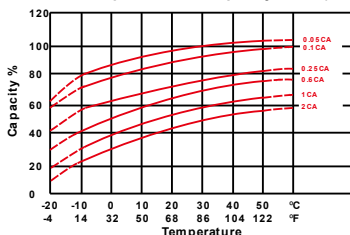
Recommended torque value M5: 4 N-m (41kgf-cm)  
Maximum allowable torque value M5: 6 N-m (61kgf-cm)



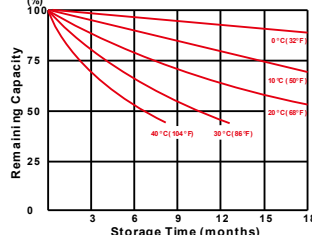
Discharge Time VS. Discharge Current (25°C)



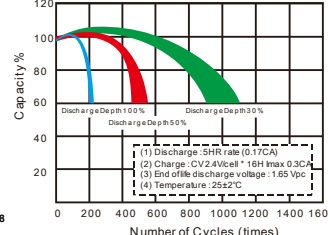
Effect of Temperature on Capacity 25 °C(77°F)



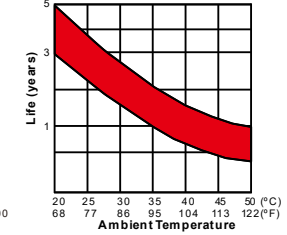
Capacity Retention Characteristic



Cycle Service Life



Influence of Temperature on Trickle(Float) Design Life



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