

### ⚡ Specifications

#### Nominal Voltage(V)

12V

#### Nominal Capacity

|              |        |    |         |        |
|--------------|--------|----|---------|--------|
| 20 hour rate | (1.8A  | to | 10.50V) | 36Ah   |
| 10 hour rate | (3.42A | to | 10.50V) | 34.2Ah |
| 5 hour rate  | (6.12A | to | 10.20V) | 30.6Ah |
| 1C           | (36A   | to | 9.60V)  | 22.8Ah |
| 3C           | (108A  | to | 9.60V)  | 14.4Ah |

#### Weight

Approx. 11.0kg(24.2Lbs.)

#### Internal Resistance (at 1KHz)

Approx. 8 mΩ

#### Maximum Discharge Current for

5 seconds:540A

#### Charging Methods at 25°C(77°F)

|                            |               |
|----------------------------|---------------|
| Maximum Charging Current : | 10.8A         |
| 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 | 92% |
| 3 month | 90% |
| 6 month | 80% |

#### Case Material

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

#### Design Life & Standard

Expected Trickle Design Life: 10-12 years at 20°C according to Eurobat.

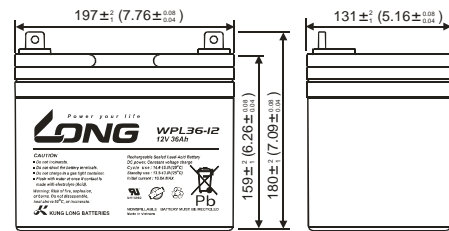
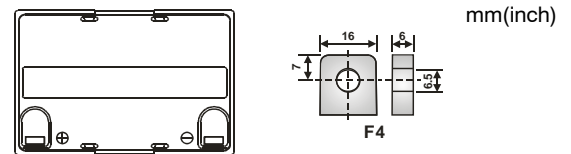
#### Terminal

F4

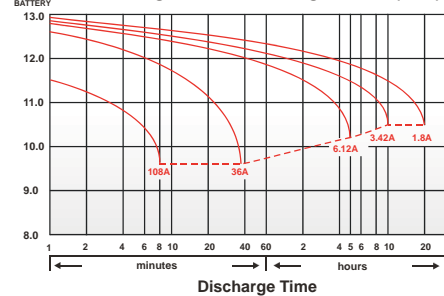


### ⚡ Dimensions

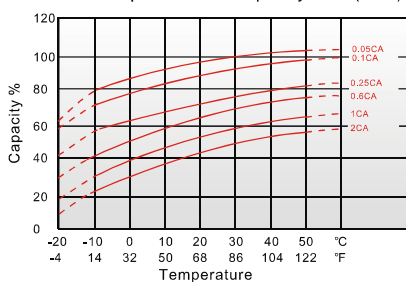
|                     |                          |
|---------------------|--------------------------|
| Length (L)          | 197±2-1 (7.76±0.08-0.04) |
| Width (W)           | 131±2-1 (5.16±0.08-0.04) |
| Height (H)          | 159±2-1 (6.26±0.08-0.04) |
| Overall Height (HT) | 180±2-1 (7.09±0.08-0.04) |



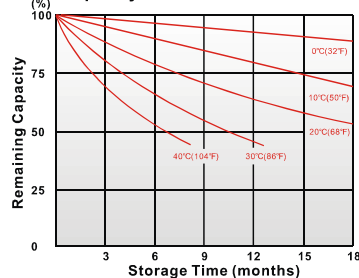
(V) FOR 12V BATTERY Discharge Time VS. Discharge Current (25°C)



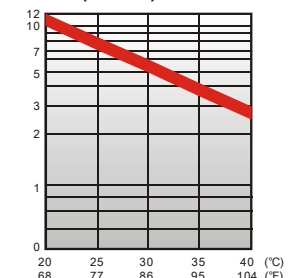
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Trickle (or float) Service Life



260522-1C