



# RECHARGEABLE SEALED LEAD ACID BATTERY

Revision 1.1



## WP5-12

### Specifications

**Nominal Voltage (V)** 12V

#### Nominal Capacity

20hour rate ( 0.25A to 10.50V )	5Ah
10hour rate ( 0.5A to 10.50V )	5Ah
5hour rate ( 0.85A to 10.20V )	4.25Ah
1C ( 5A to 9.60V )	2.25Ah
3C ( 15A to 9.60V )	1.8Ah

**Weight** 1.83kg(4.04Lbs.)

**Internal Resistance (at 1KHz)** 19 mΩ

**Maximum Discharge Current with Standard Terminals :** 100A

**Maximum Short-Duration Discharge Current :** 200A

#### Operating Temperature Range

Charge	0°C (32°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%

#### Charging Methods at 25°C (77°F)

- Cycle use:**
  - Maximum Charging Current : 1.5A
  - No current limit required
  - Charging Voltage 14.4 to 15.0V
- Standby use :**
  - Float Charging Voltage 13.50 to 13.80V

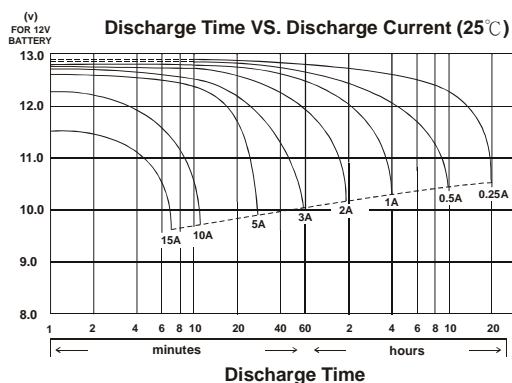
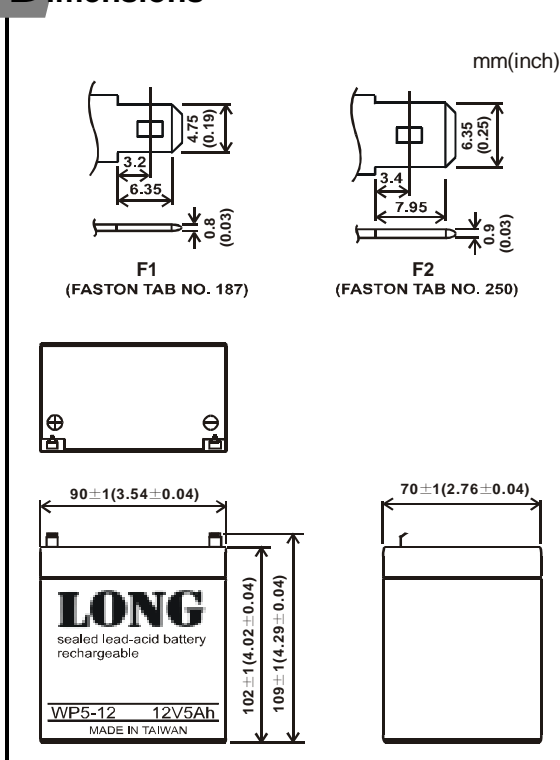
#### Life expectancy :

- Standby Use :** 3~5years
- Cycle Use :**
  - 100% depth of discharge 250 cycles
  - 80% depth of discharge 350 cycles
  - 50% depth of discharge 550 cycles

**Case Material** ABS  
(94-HB & 94V-0 flame retardant case)

**Terminal** F1 or F2

### Dimensions



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