

# RECHARGEABLE SEALED LEAD ACID BATTERY

# SPECIFICATION



## MP12-12C

**Nominal Voltage (V)** 12V

**Nominal Capacity**

20hour rate ( 0.6A to 10.50V )	12Ah
10hour rate ( 1.2A to 10.50V )	12Ah
5hour rate ( 2.04A to 10.20V )	10.2Ah
1C ( 12A to 9.60V )	8.4Ah
3C ( 36A to 9.60V )	6.12Ah

**Weight** 3.93kg(8.65Lbs.)

**Internal Resistance (at 1KHz)** 9 mΩ

**Maximum Discharge Current for 30 seconds :** 240A

**Maximum Discharge Current for 5 seconds :** 480A

### 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:**  
 Charging Voltage 14.4 to 15.0V  
 Maximum Charging Current: 3.6A

**Standby use:**  
 Float Charging Voltage 13.50 to 13.80V

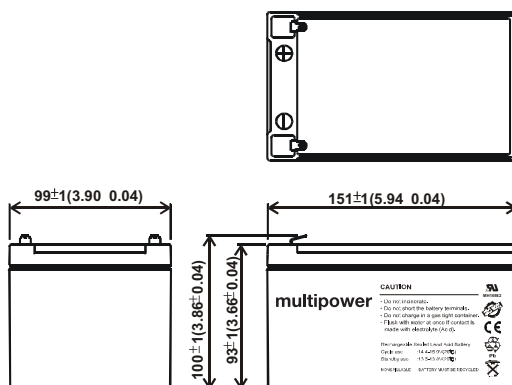
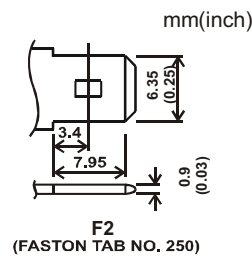
### Life expectancy :

**Cycle Use:**  
 100% depth of discharge 225 cycles  
 80% depth of discharge 250 cycles  
 50% depth of discharge 750 cycles

**Standby Use:** 3-5 years

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

**Terminal** F2



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

