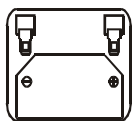
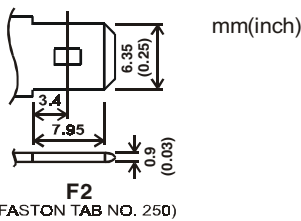
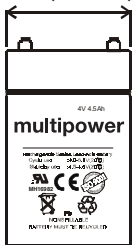


# RECHARGEABLE SEALED LEAD ACID BATTERY

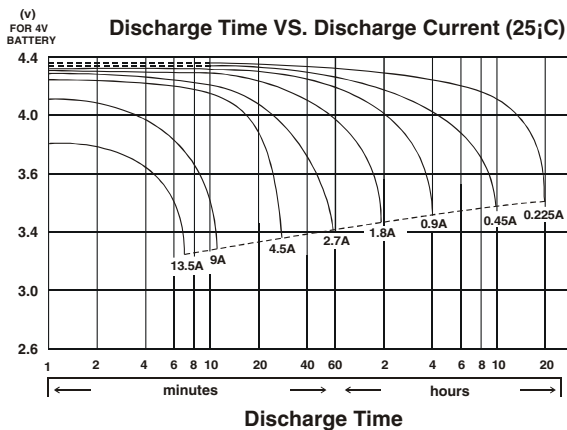
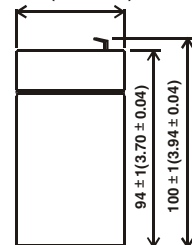
# SPECIFICATION



48 ± 1 (1.89 ± 0.04)



52 ± 1 (2.05 ± 0.04)



## MP4,5-4

**Nominal Voltage (V)** 4V

**Nominal Capacity**  
 20hour rate ( 0.225A to 3.50V ) 4.5Ah  
 10hour rate ( 0.45A to 3.50V ) 4.5Ah  
 5hour rate ( 0.765A to 3.50V ) 3.825Ah  
 1C ( 4.5A to 3.20V ) 2.025Ah  
 3C ( 13.5A to 3.20V ) 1.62Ah

**Weight** 0.652kg(1.44Lbs.)

**Internal Resistance (at 1KHz)** 11 mΩ

**Maximum Discharge Current for 30 seconds :** 90A

**Maximum Discharge Current for 5 seconds :** 180A

### 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 4.80 to 5.00V  
 Maximum Charging Current: 1.35A

#### Standby use:

Float Charging Voltage 4.50 to 4.60V

### Life expectancy :

#### Cycle Use:

100% depth of discharge 200 cycles  
 80% depth of discharge 225 cycles  
 50% depth of discharge 500 cycles

**Standby Use:** 3-5 years

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

**Terminal** F2