

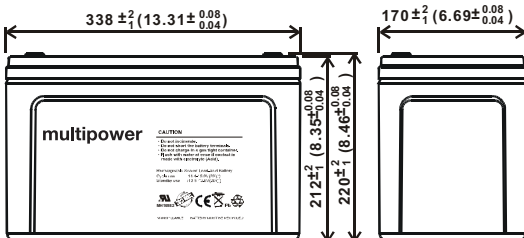
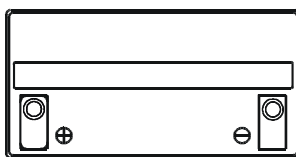
RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



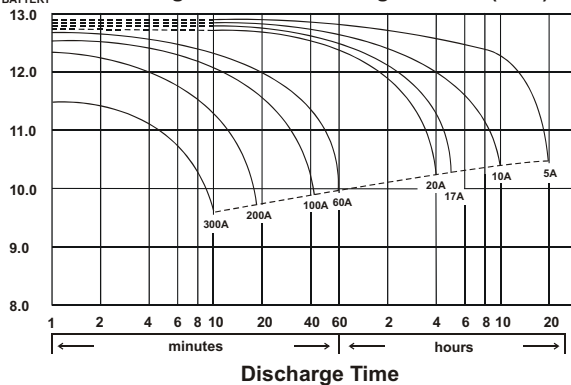
mm(inch)

F8



(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (25°C)



MP100-12C

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate (5A to 10.50V)	100Ah
10 hour rate (10A to 10.50V)	100Ah
5 hour rate (17A to 10.20V)	85Ah
1C (100A to 9.60V)	45Ah
3C (300A to 9.60V)	36Ah

Weight 34.23kg(75.48Lbs)

Internal Resistance (at 1KHz) 5 mΩ

Maximum Discharge Current for 30 seconds :

1000A

Maximum Discharge Current for 5 seconds :

2000A

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: 30A

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

F8