



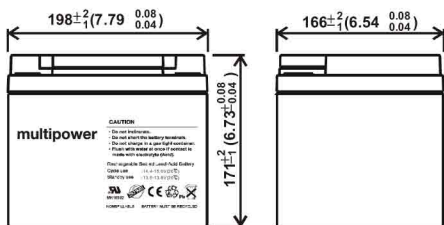
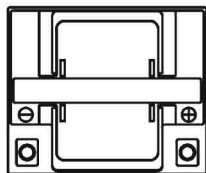
lead acid battery
maintenance-free
rechargeable

MP50-12C
12V 50Ah



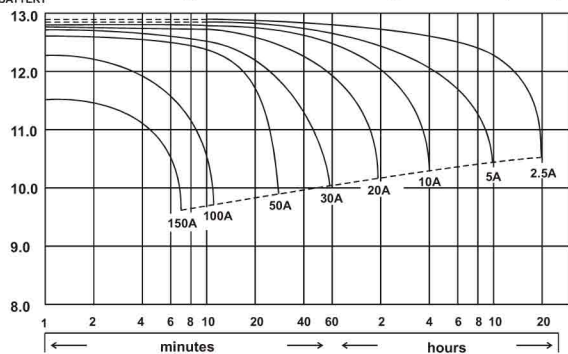
mm(inch)

F8



(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (25°C)



MP50-12C

Nominal Voltage (V) 12V

Nominal Capacity
 20hour rate (2.5A to 10.50V) 50Ah
 10hour rate (5A to 10.50V) 50Ah
 5hour rate (8.5A to 10.20V) 42.5Ah
 1C (50A to 9.60V) 22.5Ah
 3C (150A to 9.60V) 18Ah

Weight 14.787kg(32.53Lbs.)

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: 15A

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