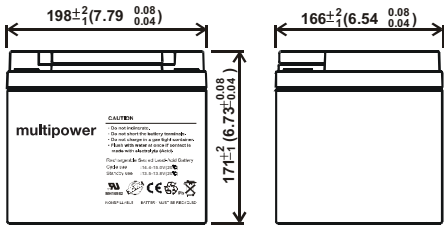
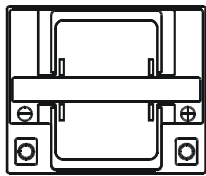
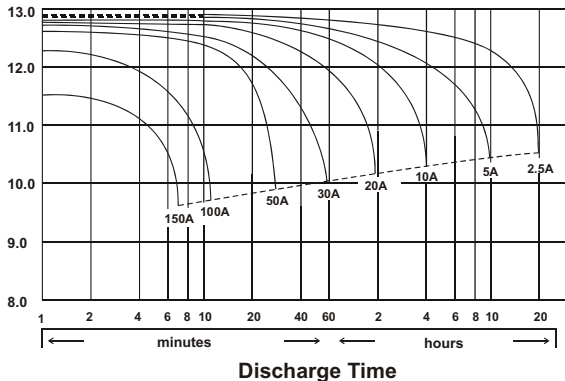


mm(inch)



(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



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