

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP10-12C

Nominal Voltage (V) 12V

Nominal Capacity

20hour rate (0.5A to 10.50V)	10Ah
10hour rate (1.0A to 10.50V)	10Ah
5hour rate (1.7A to 10.20V)	8.5Ah
1C (10A to 9.60V)	7Ah
3C (30A to 9.60V)	5.1Ah

Weight 3.31kg(7.30Lbs.)

Internal Resistance (at 1KHz) 12 mΩ

Maximum Discharge Current for 30 seconds : 200A

Maximum Discharge Current for 5 seconds : 400A

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: 3.0A
Standby use:
 Float Charging Voltage 13.50 to 13.80V

Life expectancy :

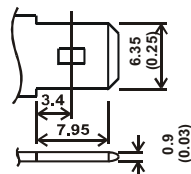
Cycle Use:
 100% depth of discharge 225 cycles
 80% depth of discharge 250 cycles
 50% depth of discharge 750 cycles

Standby Use: 3-5 years

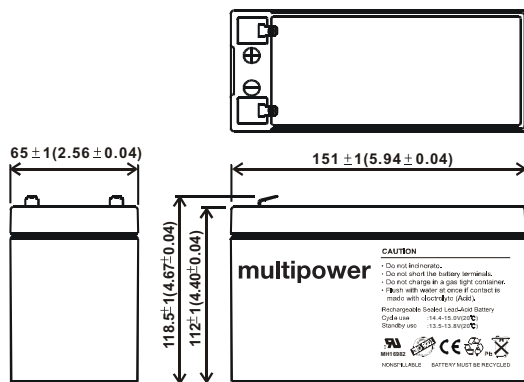
Case Material ABS
 (Option: 94-HB & 94V-0 flame retardant case)

Terminal F2

mm(inch)

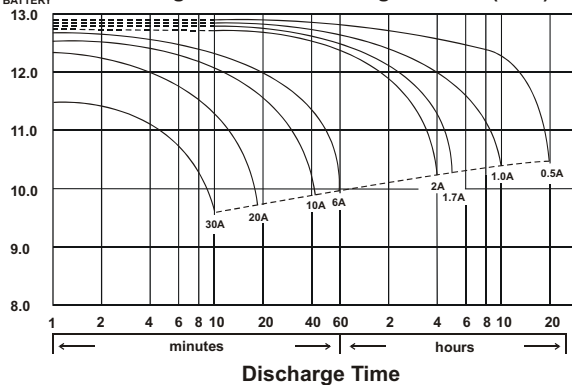


F2
(FASTON TAB NO. 250)



(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (25°C)



Discharge Time