

multipower MP18-12
VdS-No. G103086
RECHARGEABLE SEALED LEAD ACID BATTERY

Specifications

Nominal Voltage (V) 12V

Nominal Capacity

20hour rate (0.9A	to	10.50V)	18Ah
10hour rate (1.8A	to	10.50V)	18Ah
5hour rate (3.06A	to	10.20V)	15.3Ah
1C (18A	to	9.60V)	8.1Ah
3C (54A	to	9.60V)	6.48Ah

Weight 6.283kg(13.82Lbs.)

Internal Resistance (at 1KHz) 10 mΩ

Maximum Discharge Current for 30 seconds : 360A

Maximum Discharge Current for 5 seconds : 720A

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 : 5.4A

Standby use :

Float Charging Voltage 13.50 to 13.80V

Life expectancy :

Cycle Use :

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

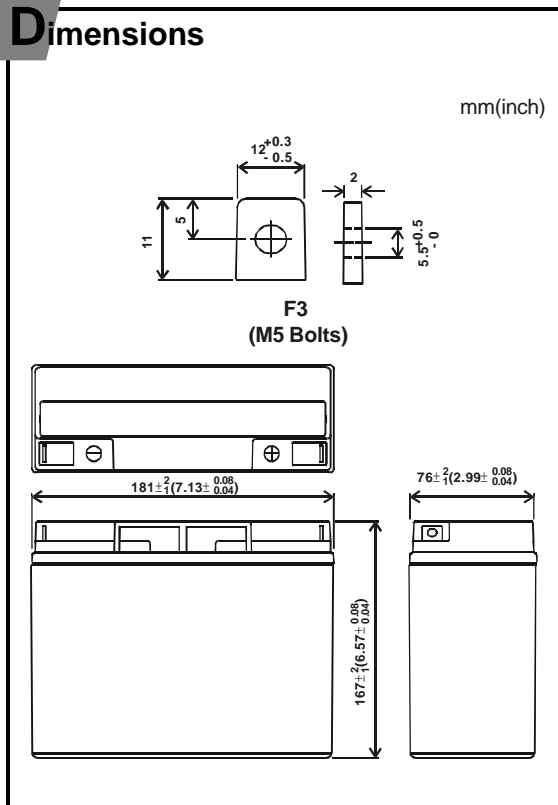
Standby Use : 3~5years

Case Material ABS

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

Terminal F3

Dimensions



(V)
FOR 12V
BATTERY

Discharge Time VS. Discharge Current (25°C)

