

multipower - mp [®]

RECHARGEABLE SEALED LEAD ACID BATTERY

SPECIFICATION



MP1222A

Nominal Voltage (V) 12V

Nominal Capacity

20 hour rate	(0.10A	to	10.50V)	2.00Ah
10 hour rate	(0.19A	to	10.50V)	1.90Ah
5 hour rate	(0.34A	to	10.20V)	1.70Ah
1 C	(2.00A	to	9.60V)	0.90Ah

Weight Approx. 730g (1.61lbs)

Internal Resistance (at 1KHz) Approx. 105 mΩ

Maximum Temperature Resistance 70°C

Maximum Current Resistance 10A

Charging Methods at 25°C (77°F)

Cycle use:	
Charging Voltage	14.70V to 14.80V
Coefficient -5.0mv/°C/cell	
Maximum Charging Current:	0.66A
Standby use:	
Float Charging Voltage	13.50V to 13.80V
Coefficient -3.0mv/°C/cell	

Operating Temperature Range

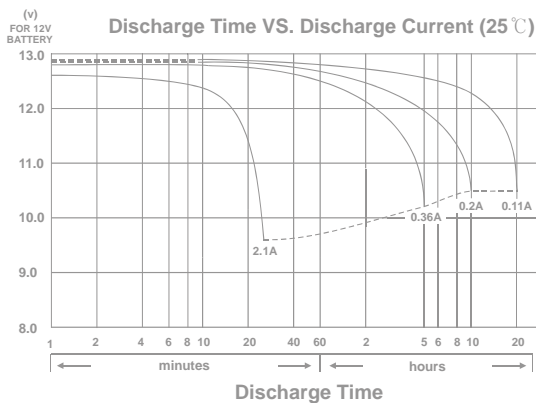
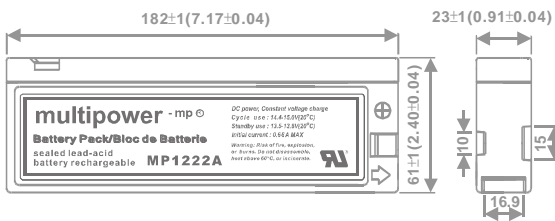
Charge	-15°C (5°F)	to	40°C (104°F)
Discharge	-15°C (5°F)	to	50°C (122°F)
Storage	-15°C (5°F)	to	40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	92%
3 month	90%
6 month	80%

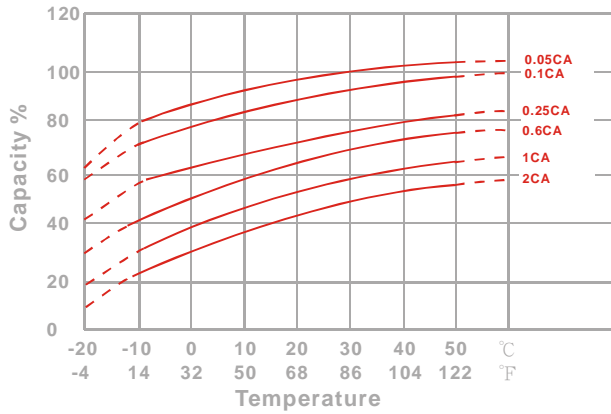
Case Material ABS
(UL94 HB flame retardant case / cover)

Terminal F13

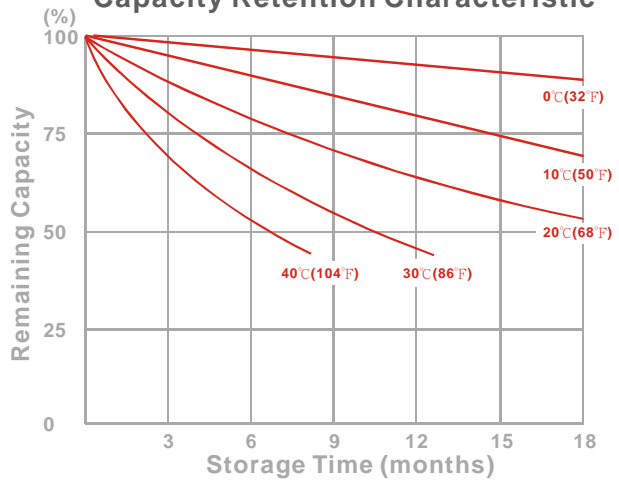


CHARACTERISTIC

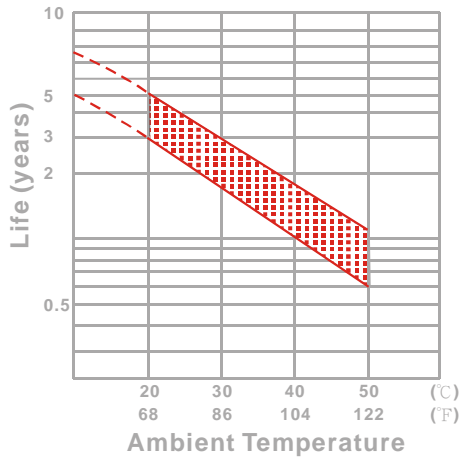
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Trickle (or float) Service Life



Cycle Service Life

