



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

MP 12.0A - 12V



Applications:

- UPS power systems
- Portable Electronic Instruments
- Emergency Lighting Systems
- Mining Search Light Products
- Portable Camping Equipments
- Remote Scientific Instruments

Electrical Specification

Capacity	Load	Duration	Final Voltage
Rated Capacity @ 25 °C (77 °F)			
12.00Ah	0.60A	20 Hours	10.50V
11.16Ah	1.12A	10 Hours	10.20V
10.20Ah	2.04A	5 Hours	10.02V
7.20Ah	7.20A	1 Hour	9.60V
6.00Ah	12.00A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
5.94 in	3.78 in	3.74 in	3.94 in
151 mm	96 mm	95 mm	101 mm
Internal Resistance@25°C Fully Charged			14 mΩ

Weight: 4.20 Kg.
Case Material: ABS Resin

Capacity ~ Temperature

104°F(40°C)	77°F(25°C)	32°F(0°C)	5°F(-15°C)
102%	100%	85%	65%

Self Discharge

4 Mo. 20°C	8 Mo. 20°C	4 Mo. 30°C	8 Mo. 30°C
14%	26%	24%	40%

Charging - Constant Voltage

@25°C (77°F)	Standby Usage:	Cyclic Usage:
Voltage	13.6 ~ 13.8V	14.4 ~ 14.8V
Current	1.20~1.50A	1.20~1.50A
Current (max.)	N/A	2.40A

Life Expectancy

Standby Usage:	@25 °C	3 ~ 4 Years
Cyclic Usage:	100% Discharged	200 ~ 250 Cycles
	50% Discharged	500 ~ 600 Cycles
	30% Discharged	1,100 ~ 1,200 Cycles