



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

MP 28.0A - 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)			
28.00Ah	1.40A	20 Hours	10.50V
26.04Ah	2.60A	10 Hours	10.20V
23.80Ah	4.76A	5 Hours	10.02V
16.80Ah	16.80A	1 Hour	9.60V
14.00Ah	28.00A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
6.54 in	6.89 in	4.92 in	4.92 in
166 mm	175 mm	125 mm	125 mm
Internal Resistance@25°C Fully Charged			9.5 mΩ

Weight: 10.00 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	2.80~3.50A	2.80~3.50A
Current (max.)	N/A	5.60A

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