



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

MP 4.5A - 6V



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)			
4.50Ah	0.23A	20 Hours	5.25V
4.19Ah	0.42A	10 Hours	5.10V
3.83Ah	0.77A	5 Hours	5.01V
2.70Ah	2.70A	1 Hour	4.80V
2.25Ah	4.50A	0.5 Hour	4.50V

Physical Specification

Length	Width	Height	Overall Height
2.76 in	1.85 in	3.98 in	4.21 in
70 mm	47 mm	101 mm	107 mm
Internal Resistance: @25°C Fully Charged			18 mΩ

Weight: 0.90 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	6.8 ~ 6.9 V	7.2 ~ 7.4 V
Current	0.45~0.56 A	0.45~0.56 A
Current (max.)	N/A	0.90A

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