



# SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

## MP 7.0A - 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
<b>Rated Capacity @ 25 °C (77 °F)</b>			
<b>7.00Ah</b>	0.35A	20 Hours	5.25V
<b>6.51Ah</b>	0.65A	10 Hours	5.10V
<b>5.95Ah</b>	1.19A	5 Hours	5.01V
<b>4.20Ah</b>	4.20A	1 Hour	4.80V
<b>3.50Ah</b>	7.00A	0.5 Hour	4.50V

### Physical Specification

Length	Width	Height	Overall Height
5.94 in	1.34 in	3.70 in	3.86 in
151 mm	34 mm	94 mm	98 mm
Internal Resistance: @25°C Fully Charged			11 mΩ

**Weight:** 1.3 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:
<b>Voltage</b>	6.8 ~ 6.9 V	7.2 ~ 7.4 V
<b>Current</b>	0.70~0.88A	0.70~0.88A
<b>Current (max.)</b>	N/A	1.40A

### Life Expectancy

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