



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

HGL7.0-12



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)			
7.00Ah	0.35A	20 Hours	10.50V
6.51Ah	0.65A	10 Hours	10.20V
5.95Ah	1.19A	5 Hours	10.02V
4.20Ah	4.20A	1 Hour	9.60V
3.50Ah	7.00A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
5.94 in	2.56 in	3.70 in	3.86 in
151 mm	65 mm	94 mm	98 mm
Internal Resistance@25°C Fully Charged			19 mΩ

Weight: 2.64 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	0.70~0.88A	0.70~0.88A
Current (max.)	N/A	1.40A

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