



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

HGL2.3-12



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)			
2.30Ah	0.12A	20 Hours	10.50V
2.14Ah	0.21A	10 Hours	10.20V
1.96Ah	0.39A	5 Hours	10.02V
1.38Ah	1.38A	1 Hour	9.60V
1.15Ah	2.30A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
7.09 in	1.38 in	2.44 in	2.64 in
180 mm	35 mm	62 mm	67 mm
Internal Resistance@25°C Fully Charged			60 mΩ

Weight: 0.92 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	0.23~0.29A	0.23~0.29A
Current (max.)	N/A	0.46

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