



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

HGL100-12



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)			
100.00Ah	5.00A	20 Hours	10.50V
93.00Ah	9.30A	10 Hours	10.20V
85.00Ah	17.00A	5 Hours	10.02V
60.00Ah	60.00A	1 Hour	9.60V
50.00Ah	100.00A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
12.9 in	6.77 in	8.43 in	8.66 in
328 mm	172 mm	214 mm	220 mm
Internal Resistance@25°C Fully Charged			4 mΩ

Weight: 34.2 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	10.0~12.5A	10.0~12.5A
Current (max.)	N/A	20.0A

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