



SEALED LEAD ACID CALCIUM BATTERY DATA SHEET

HGL70-12



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)			
70.00Ah	3.50A	20 Hours	10.50V
65.10Ah	6.51A	10 Hours	10.20V
59.50Ah	11.90A	5 Hours	10.02V
42.00Ah	42.00A	1 Hour	9.60V
35.00Ah	70.00A	0.5 Hour	9.00V

Physical Specification

Length	Width	Height	Overall Height
13.82 in	6.57 in	6.93 in	6.93 in
351 mm	167 mm	176 mm	176 mm
Internal Resistance@25°C Fully Charged			6 mΩ

Weight: 25.0 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	7.00~8.75A	7.00~8.75A
Current (max.)	N/A	14.0A

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