

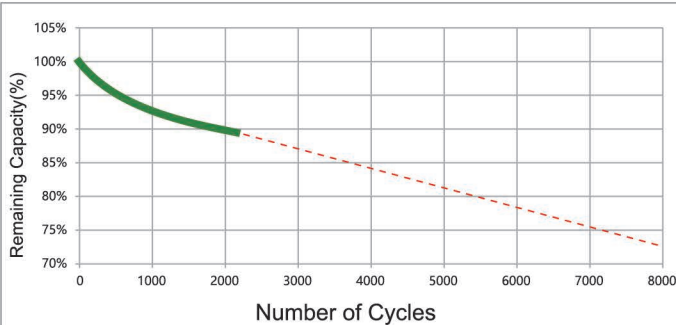
Sohigh LiBAT-100AH-12.8V

Solar LiFePO4 Battery

Sohigh Solar
High Technology, High Quality



Cycle Life Curve



Technical Features

- **Longer Cycle Life** : Offers up to 20 times longer cycle life and five times longer float / calendar life than lead acid battery , helping to minimize replacement cost and reduce total cost of ownership.
- **Lighter Weight** : About 40% of the weight of a comparable lead acid battery . A 'drop in' replacement for lead acid batteries.
- **Higher Power** : Delivers twice power of lead acid battery , even high discharge rate , while maintaining high energy capacity.
- **Wider Temperature Range** : -20°C-60°C.
- **Superior Safety** : Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact , overcharging or short circuit situation.

Application

- Electric vehicles, electric mobility
- Solar Wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

Technical Parameter

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	100Ah (C ₅ , 25°C)
	Energy	1280Wh
	Internal Resistance	≤150mΩ
	Cycle Life	>3000 cycles @1C 100%DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @0.2C
	Efficiency of Discharge	96~99% @1C
Standard Charge	Charge Voltage	14.6±0.2V
	Charge Mode	0.2C to 14.6V, then 14.6,charge current 0.02C(CC/CV)
	Charger Current	50A
	Max.Charge Current	100A
	Charge Cut-off Voltage	14.8V±0.2V
Standard Discharge	Continuous Current	100A
	Max.Charge Current	300A(<3s)
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0°C to 45°C (32F to 113F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C (-4F to 140F) @60±25% Relative Humidity
	Storage Temperature	0°C to 40°C (32F to 104F) @60±25% Relative Humidity
	Water Dust Resistance	
Mechanical	Cell & Method	13.2V50AH-4S2P
	Plastic Case	ABS
	Dimensions (in./mm.)	330*173*220 mm
	Terminal	M8
	Protocol (optional)	NO
	BMS	4S100A

NOTICE:Manual measurement, product specifications and dimensions may have errors, subject to actual receipt.