

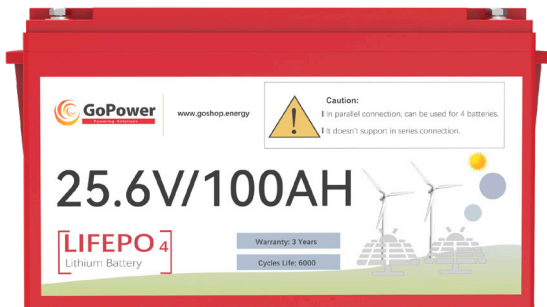
GoPower

25.6V 100Ah

LiFePO₄ Battery

25.6V100Ah LiFePO4 Battery

1 - Overview



LFP-24100L is 25.6V100Ah Lithium iron phosphate battery module which designed for UPS, solar system, portable devices, energy storage and medical cart applications. This battery module integrated with intelligent BMS inside, has big advantages on safety, cycle life, energy density, temperature range and environmental protection. This product specification describes the type, size, structure, electrochemistry performance, service life, and BMS characteristics.

2 - Advantages

The battery module consists of single LFP cells, wire, BMS and container.

- Packed with high performance LFP single cell, long life, safety and wide temperature range
- High energy density, small size, light weight, no pollution;
- High efficiency, fast charging
- Built-in BMS, protect voltage, current, temperature in whole process
- Standard VRLA battery case , can replace the VRLA battery directly
- Customize dimension and capacity, Support maximum 4 batteries in series
- 10 years design life, Stable performance, maintenance-free

3 - Application scenario



Sailboat



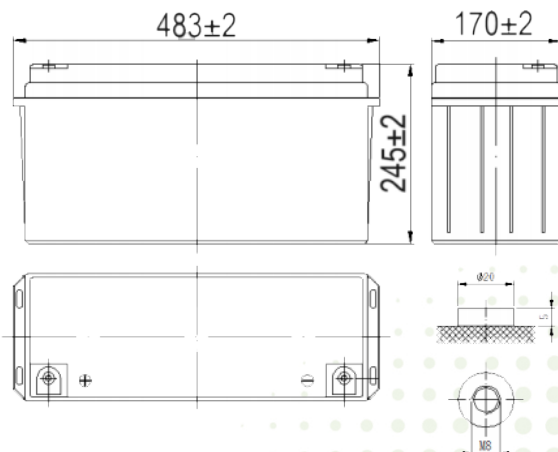
RV



Residence



signal tower



25.6V100Ah LiFePO4 Battery



GoPower

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4 - Parameters

NO.	Item	Specification
1	Rated Voltage	25.6V
2	Rated Capacity (0.2C, @25°C)	100Ah
3	Rated Energy	2560Wh
4	Cell& Pack	LiFePO4, ABS
5	Rated Charge Voltage	27.2~27.6V
6	Charging voltage	29.2V, CC-CV
7	Rated Discharge Cut-off Voltage	22.4V
8	Recommended charging current	50A, best@ 20A
9	Max. Constant charging current	100A
10	Recommended discharging current	50A
11	Max.Constant discharging current	100A
12	Capacity Efficiency	≥99.5%
Built-in BMS		
1	Over-charge protection	Cell>3.65V
2	Over-discharge protection	Cell<2.80V
3	Over-current protection	Charging: >100A; Discharging: >100A; Short circuit: 1000A
4	Short circuit protection	
5	Cell balance	Passive, 20mA
6	Overtemperature protection	Charging: 50°C Discharging: 65°C
7	Max. Series or Parallel number	4P
8	Dimension L*w*H(mm)&Terminal	483*170*245, M8
9	Weight (kg)	18.23
Environment		
1	Humidity	5%~95% relative humidity
2	Charging temperature	0°C~+45°C
3	Discharging temperature	-20°C~+60°C
4	Storage temperature	-5°C~35°C
Service Life		
1	Cycle life	80%DOD>6000 times, @0.5C, 25°C
2	Design life	>10 years