

# 12.8V LiFePO4 Battery

## 12.8V80Ah



The battery is a lead to lithium battery pack which consists of long span LiFePO4 battery cells and functional BMS. It can customize different voltage capacities according to customer needs, and can form a system according to needs to meet power demand. It is mainly used to replace lead-acid batteries.

### Product Function



#### Diverse scenarios

Used for solar street lighting, emergency lighting, electric wheelchairs and for powering laptops, refrigerators, TVs etc. by connecting to a sine wave inverter



#### Precision construction

Precision moulds are used, taking full account of the safety and durability of the product's internal structure, with a waterproof rating of up to IP54



#### Functional extensions

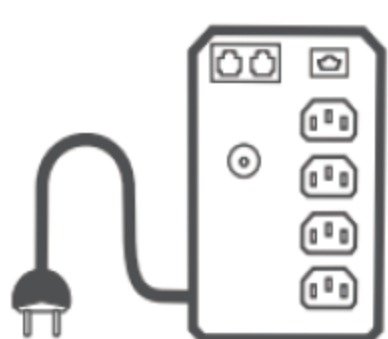
Supports series and parallel use and optional Bluetooth communication to meet differentiated needs



#### After sales service

A 5-year long warranty, additional spare parts and overseas warehouses in several locations guarantee a worry-free after-sales service

### Product Application



UPS



EPS



Solar Power



Electric Vehicle

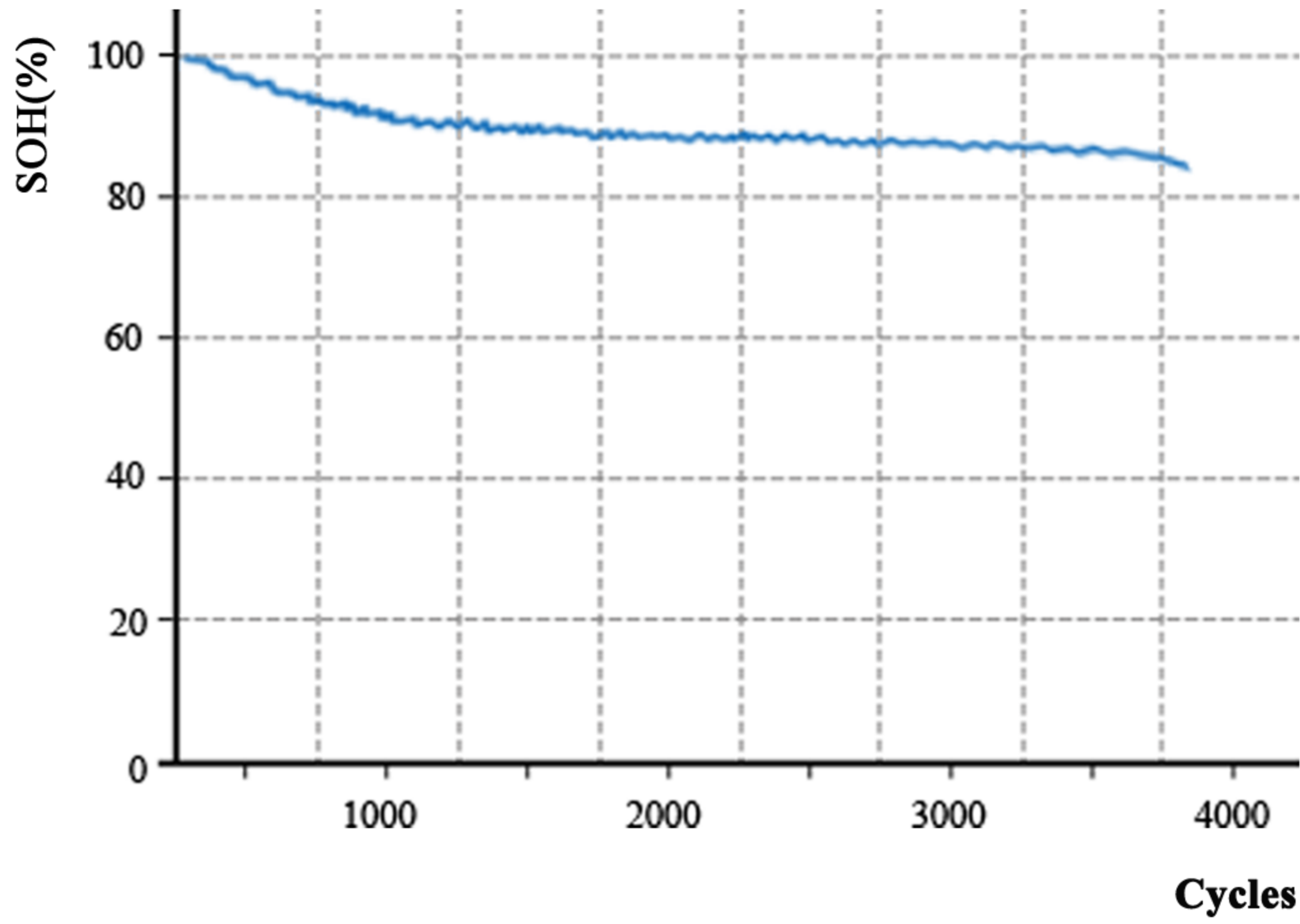


Others

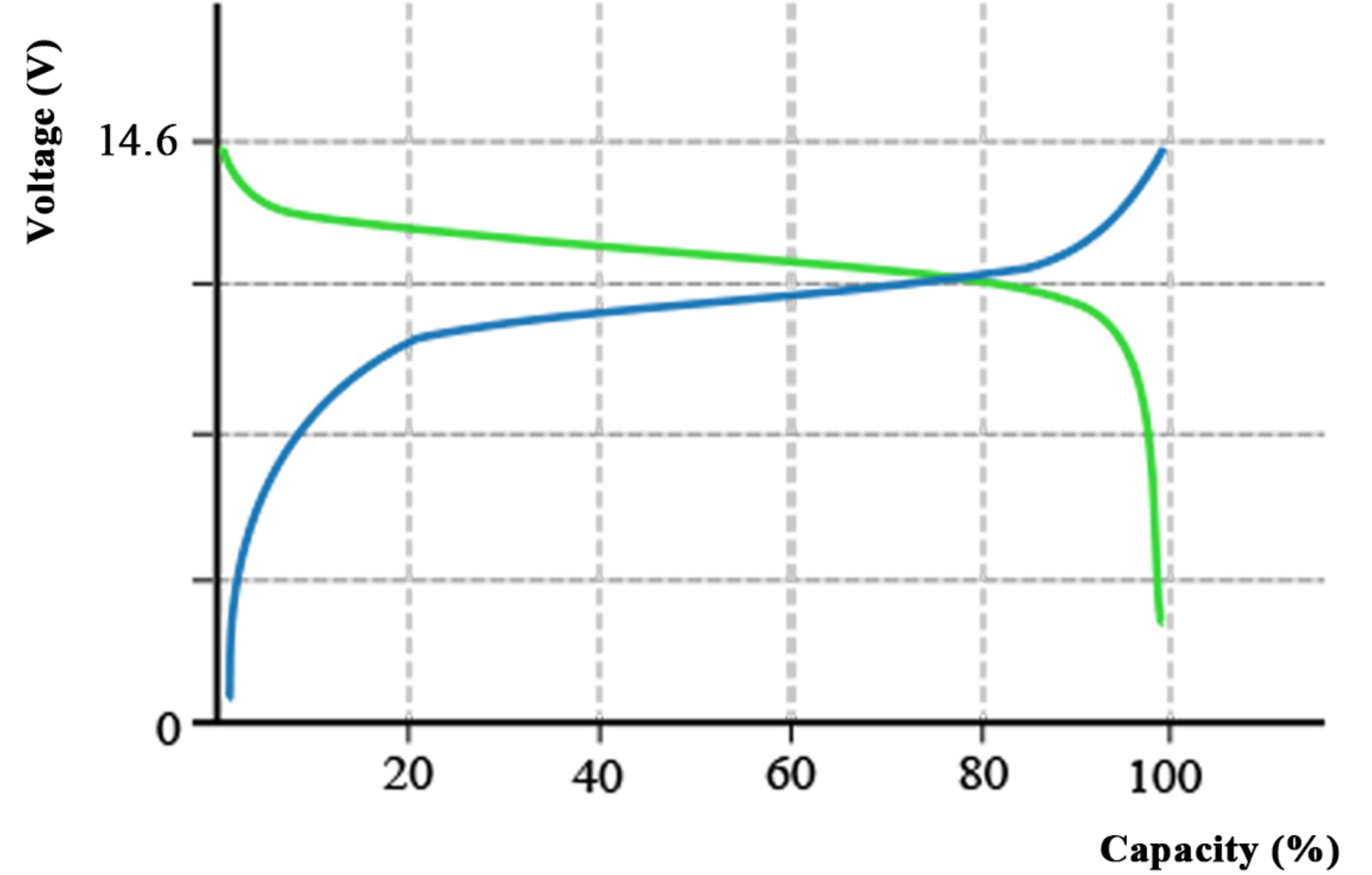
## Performance Curve

### Cycle Life

● 0.5C 25°C



### Charge / Discharge Curve



## Specifications

Electrical Characteristics	Nominal Voltage (V)	12.8
	Nominal Capacity (Ah)	80
	Nominal Energy (Wh)	1024
	Cycle Life	2000
	BMS	50A
Standard Charge	Charge Voltage (V)	14.6
	Charge Profile (A)	CC-CV
	Charge Current (A)	25
	Maximum Charge Current (A)	50
Standard Discharge	Continuous Current (A)	25
	Max Continuous Current (A)	50
	Max Pulse Current (A)	100
	Cut-Off Voltage (V)	8
Environmental	Charge Temperature	0°C~55°C
	Discharge Temperature	-20°C~60°C
	Storage Temperature	-30°C~60°C
Mechanical	Material System	LiFePO4
	Case Material	ABS
	L (mm) × W (mm) × H (mm)	307*169*208
	Terminal	M8
Warranty		5 years