

12.8V LiFePO4 Battery

12.8V50Ah



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

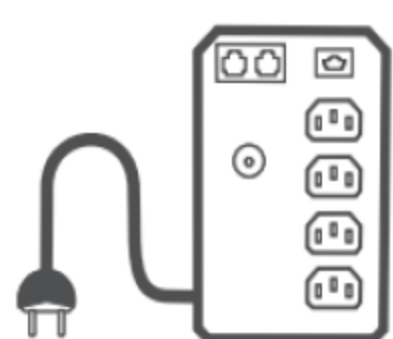
Supports series and parallel use and optional Bluetooth communication to meet differentiated needs



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

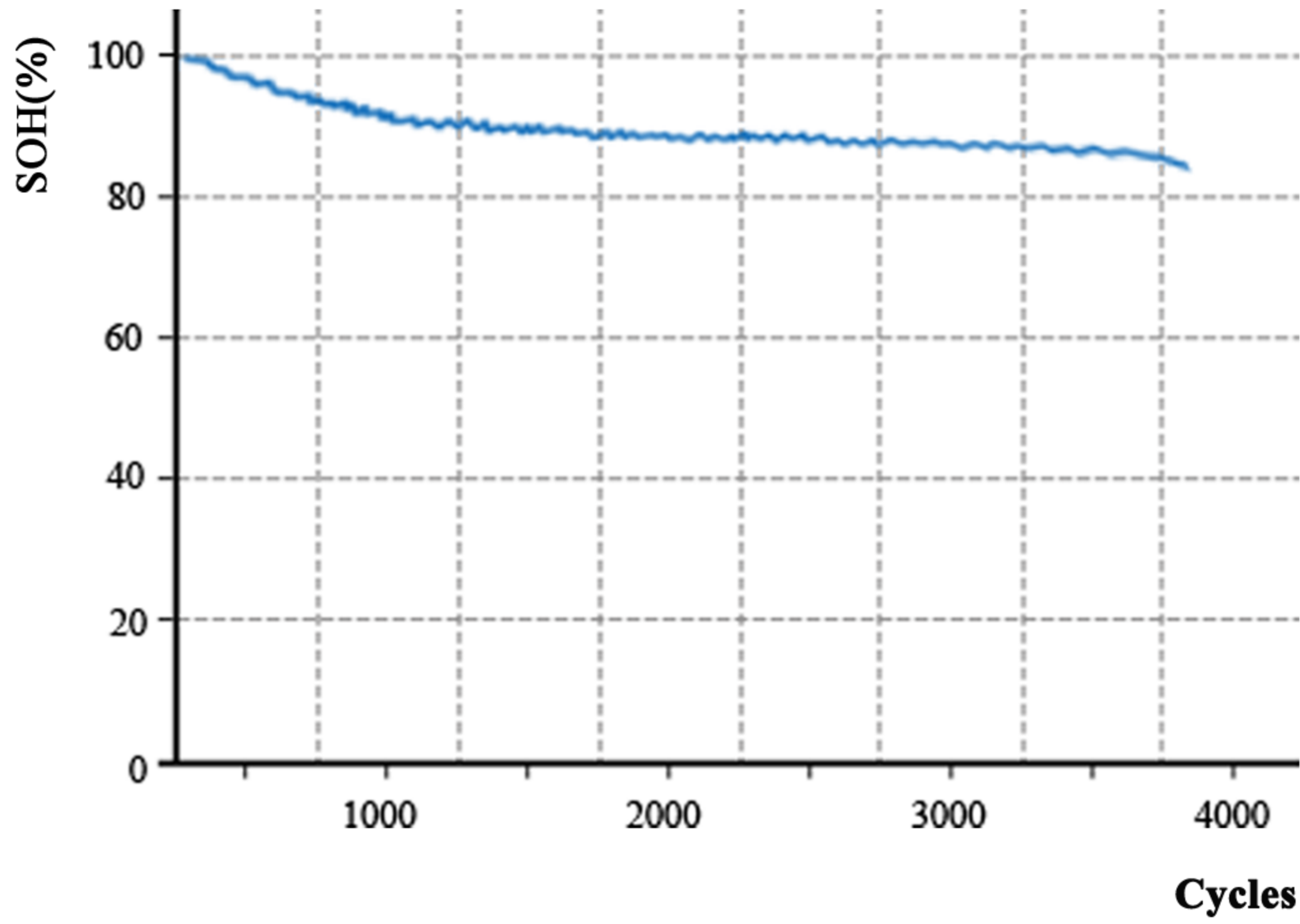


Others

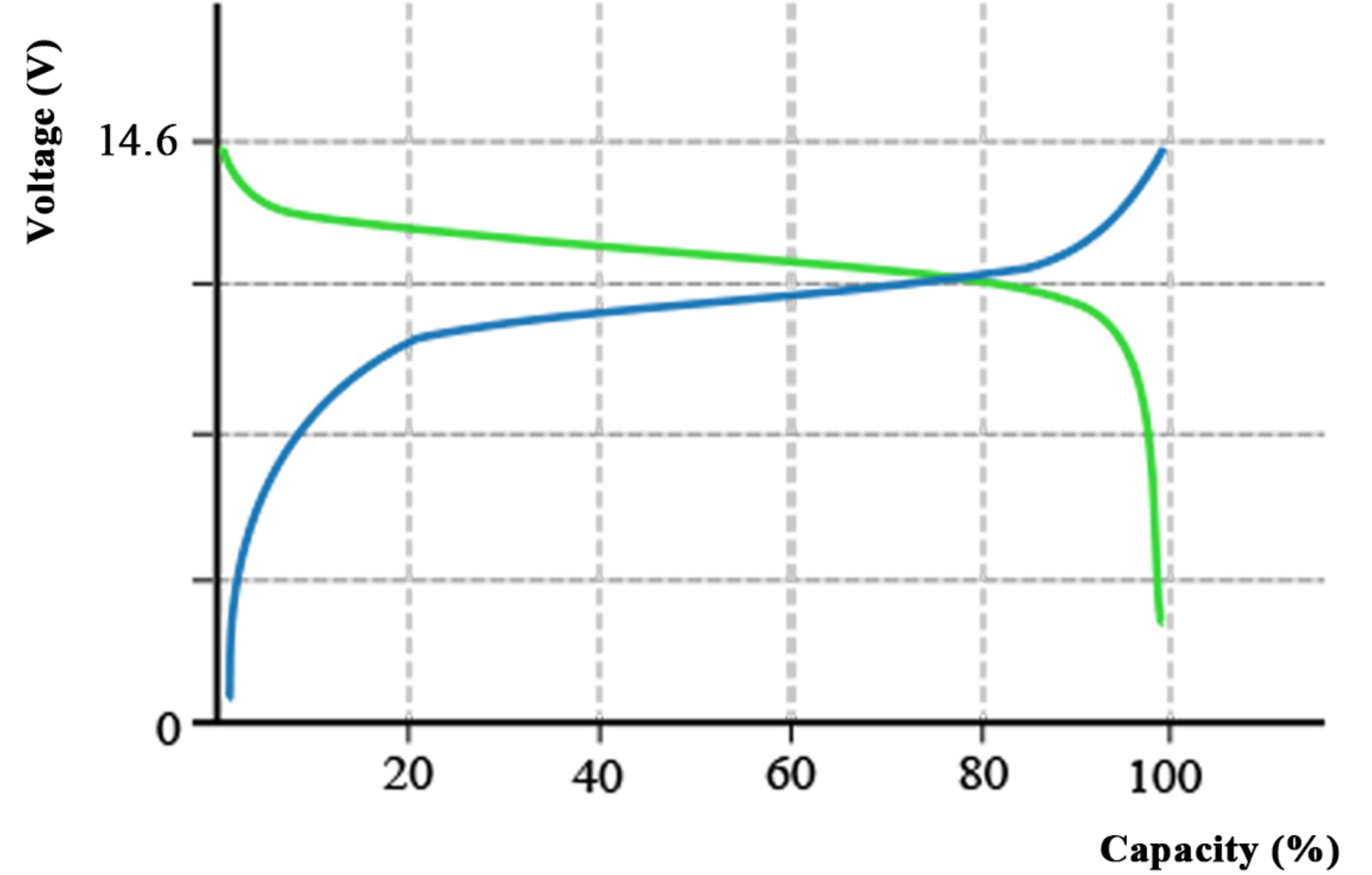
Performance Curve

Cycle Life

● 0.5C 25°C



Charge / Discharge Curve



Specifications

Electrical Characteristics	Nominal Voltage (V)	12.8
	Nominal Capacity (Ah)	50
	Nominal Energy (Wh)	640
	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)	198*166*170
	Terminal	M8
Warranty		5 years