

12.8V LiFePO4 Battery

12.8V400Ah



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

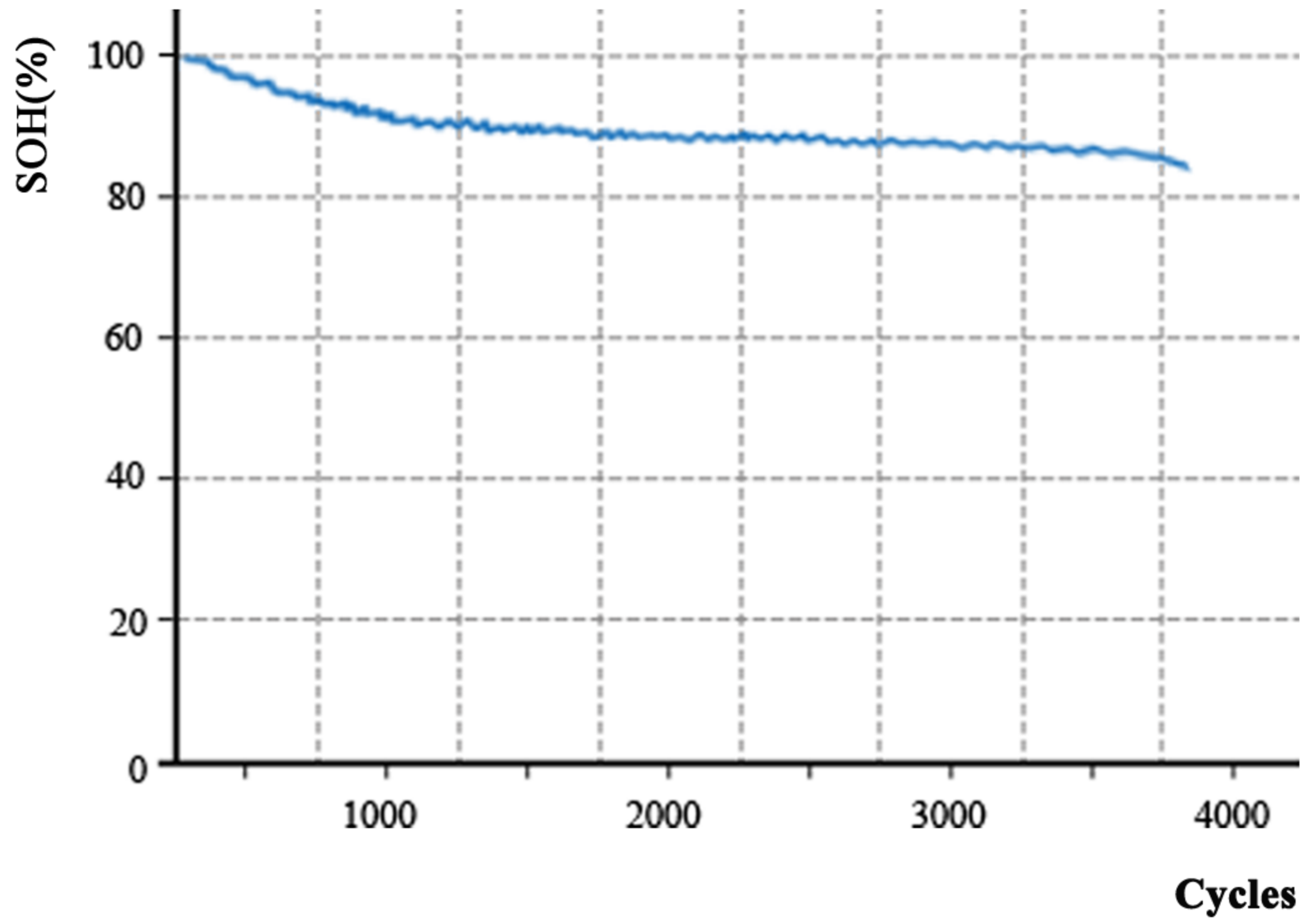


Others

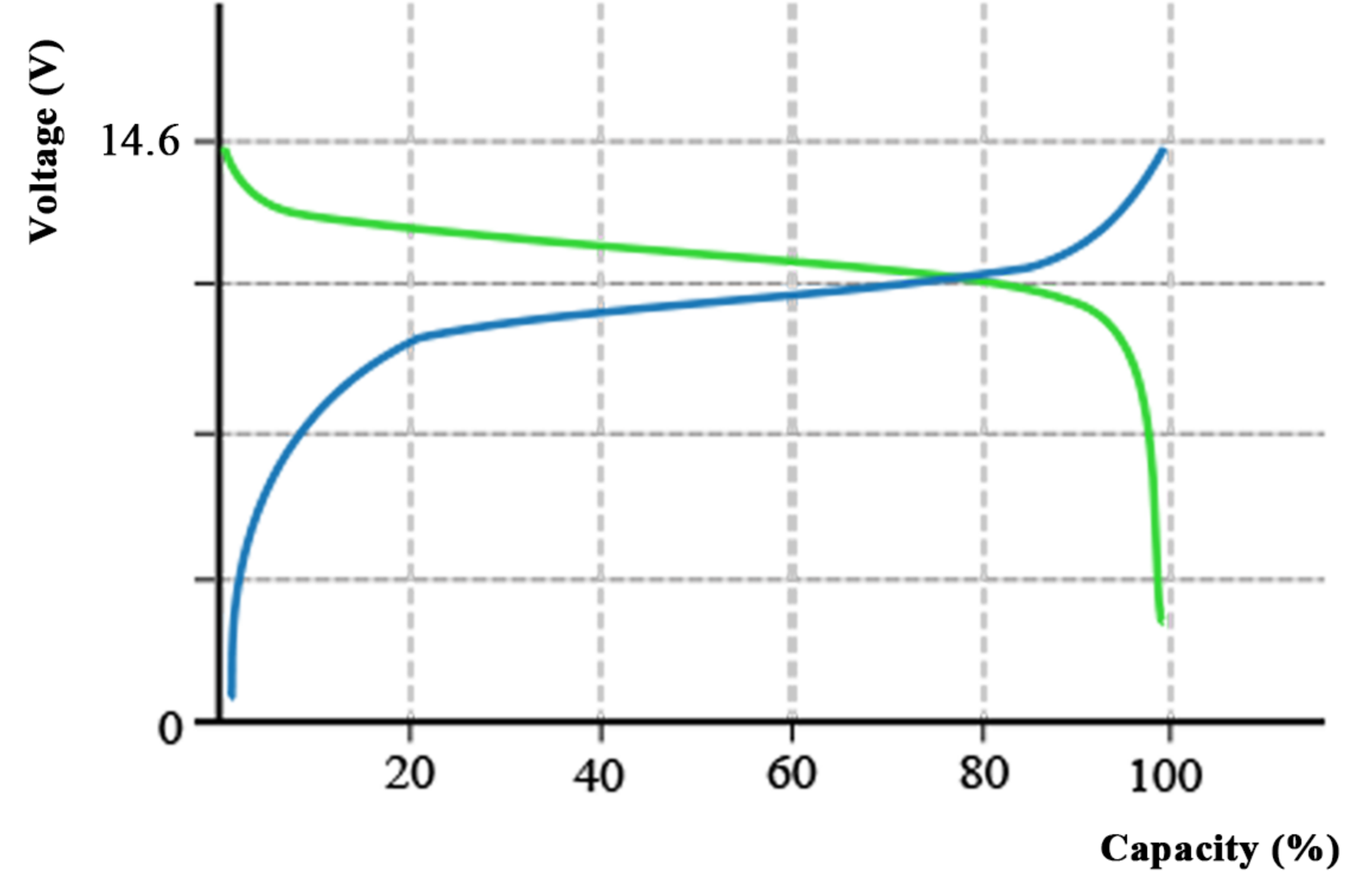
Performance Curve

Cycle Life

● 0.5C 25°C



Charge / Discharge Curve



Specifications

Electrical Characteristics	Nominal Voltage (V)	12.8
	Nominal Capacity (Ah)	400
	Nominal Energy (Wh)	5120
	Cycle Life	≥2000
	BMS	400A
Standard Charge	Charge Voltage (V)	14.6
	Charge Profile (A)	CC-CV
	Charge Current (A)	200
	Maximum Charge Current (A)	400
Standard Discharge	Continuous Current (A)	400
	Max Continuous Current (A)	400
	Max Pulse Current (A)	800
	Cut-Off Voltage (V)	10.4
Environmental	Charge Temperature	0°C~55°C
	Discharge Temperature	-20°C~60°C
	Storage Temperature	-30°C~60°C
	Relative Humidity	65±20%
Mechanical	Material System	LiFePO4
	L (mm) × W (mm) × H (mm)	520*269*220
	Weight	48.5KG
	Ingress protection	IP65
Warranty		5 years