

12.8V LiFePO4 Battery

12.8V300Ah



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

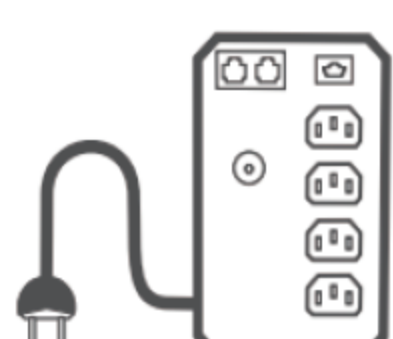
Supports series and parallel use and optional Bluetooth communication to meet differentiated needs



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

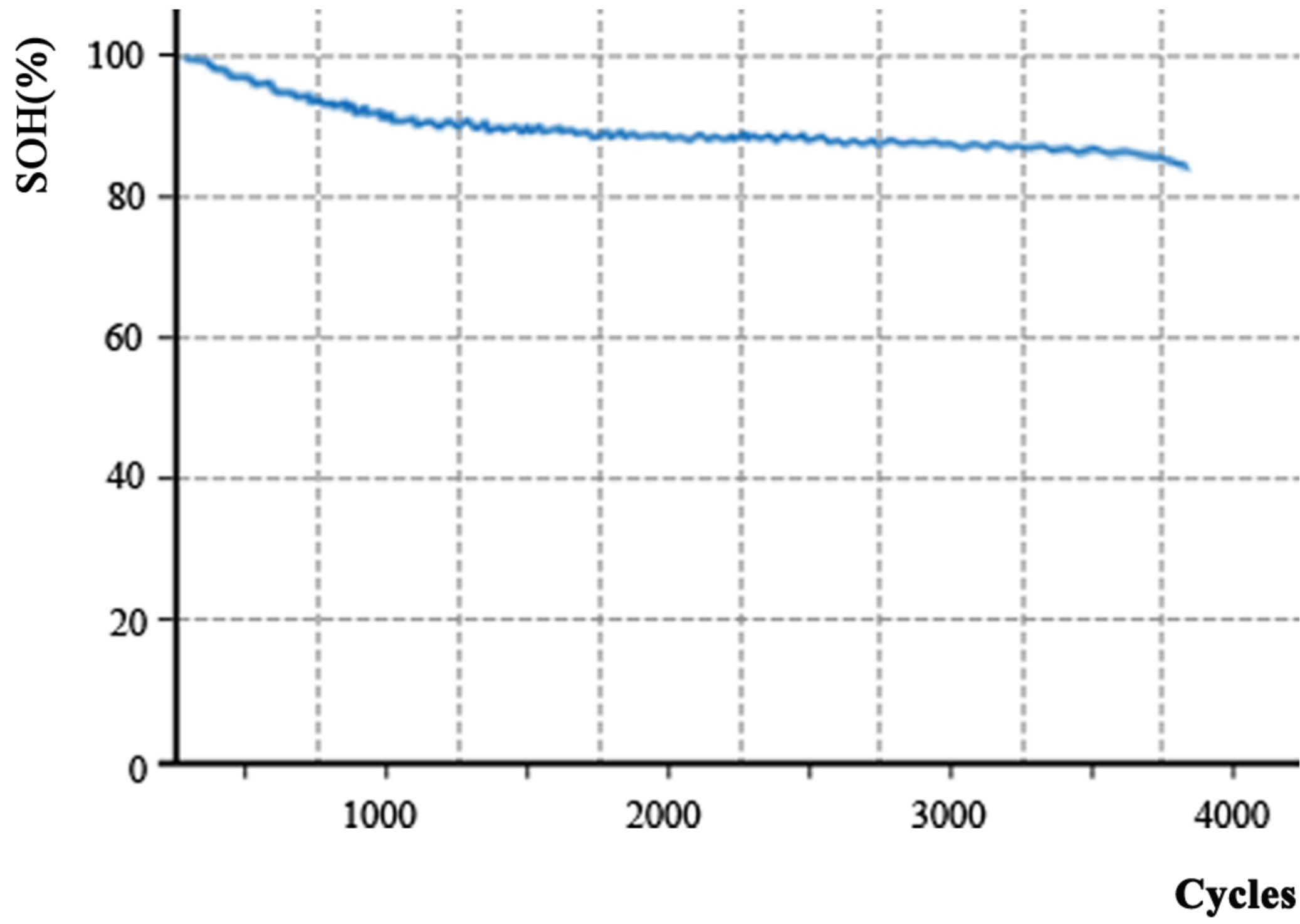


Others

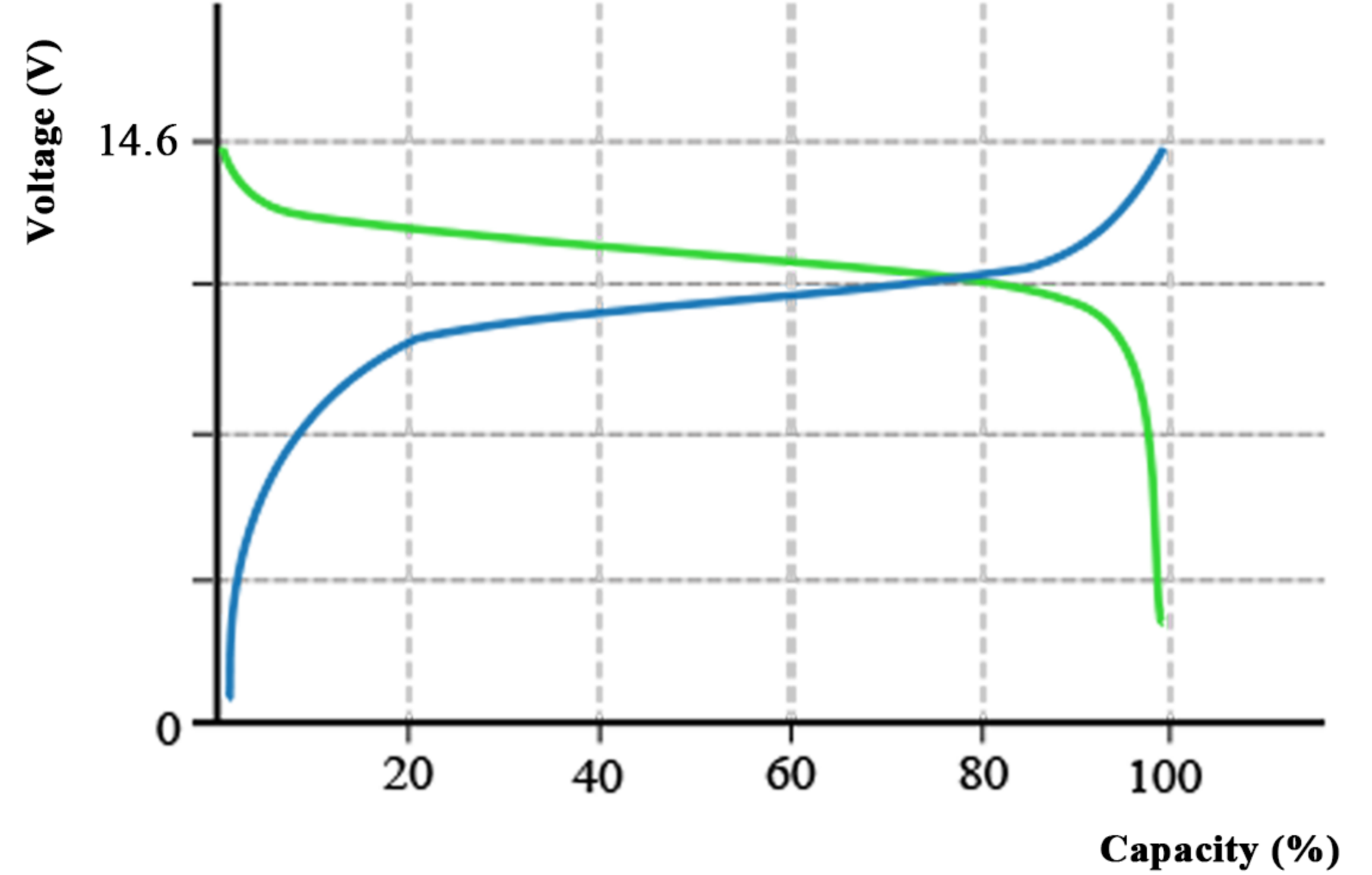
Performance Curve

Cycle Life

● 0.5C 25°C



Charge / Discharge Curve



Specifications

| | | |
|----------------------------|----------------------------|-------------|
| Electrical Characteristics | Nominal Voltage (V) | 12.8 |
| | Nominal Capacity (Ah) | 300 |
| | Nominal Energy (Wh) | 3840 |
| | Cycle Life | 2000 |
| | BMS | 300A |
| Standard Charge | Charge Voltage (V) | 14.6 |
| | Charge Profile (A) | CC-CV |
| | Charge Current (A) | 150 |
| | Maximum Charge Current (A) | 300 |
| Standard Discharge | Continuous Current (A) | 150 |
| | Max Continuous Current (A) | 300 |
| | Max Pulse Current (A) | 600 |
| | 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) | 520*269*220 |
| | Weight | 36KG |
| | Terminal | M8 |
| Warranty | | 5 years |