



6000
Cycles



LiFePO₄
Battery Technology



IP 21
Protection Rating

Safe & Reliable

- ◆ EV-Grade LiFePO₄ Battery
- ◆ Enhanced Protection with Dual-Safety System:
Smart BMS + Circuit Breaker

High Performance

- ◆ Supports Discharge Currents up to 300A

User-Friendly Design

- ◆ Clear Status Indicators & Screen
- ◆ Compact Structure for Quick Installation

51.2V 314Ah LiFePO₄ Lithium Battery



Technical Parameters

Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	314
Total Energy (kWh)	16.076
Operating Voltage Range (V)	43.2 ~ 58.4
Standard Charge/Discharge Current (A)	140 CH / 140 DCH
Max.Charge/Discharge Current (A)	200 CH / 200 DCH
Peak Output Current (A)	300@500ms
Lithium Chemistry	LiFePO ₄
Cycle Life	6000 @ 0.5C 80% DOD
Installation	Floor Stand

Mechanical Specification

Dimension (mm)	W523 * D188 * H996
Weight (kg)	Approx.125
Communication	RS485, CAN
Ingress Rating	IP 21
Safety Standards	UN38.3, CE

Environmental Specification

Storage Temperature (°C)	-10 ~ 55
Operating Temperature Charge (°C)	0 ~ 55
Operating Temperature Discharge (°C)	-10 ~ 60
Operating Relative Humidity	5 ~ 95%