



6000
Cycles



LiFePO₄
Battery Technology



IP 65
Protection Rating

Safe & Reliable

- ◆ EV-Grade LiFePO₄ Battery
- ◆ Up to 10X longer lifespan than lead-acid batteries

High Performance

- ◆ Boost 180A Peak Power for 500ms to Run Heavy Loads

Up to 5.12kWh of Scalable Power

- ◆ Support 4S or 4P connections

12.8V 100Ah LiFePO₄ Lithium Battery



Technical Parameters

Nominal Voltage (V)	12.8
Nominal Capacity (Ah)	100
Total Energy (Wh)	1280
End Charge Voltage (V)	14.6
Discharge Cut-off Voltage (V)	10
Float Charge Voltage (V)	13.8
Standard Charge/Discharge Current (A)	50 CH / 50 DCH
Max. Charge/Discharge Current (A)	100 CH / 150 DCH
Peak Output Current (A)	180@500ms
Lithium Chemistry	LiFePO ₄
Cycle Life	6000 @ 0.5C 80% DOD

Mechanical Specification

Dimension (mm)	W330 * D172 * H220
Weight (kg)	Approx. 12
Communication	/
Ingress Rating	IP 65
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%