

► Product Appearance



► Features

- ▼ Single and overall voltage detection with over/under-voltage protection
- ▼ Short circuit detection and protection
- ▼ Temperature detection for cell, environment, and PCB with high/low-temperature protection
- BMS** BMS Communication with Multiple Inverter Brands
- Charge/discharge current monitoring with alarm and protection
- RS485 communication for real-time BMS and battery monitoring
- 14 pcs maximum packs parallel

► Application



Marine power supply



Street light power supply



RV power supply



Household appliances power

► Technical Specifications

Model	LFP5.12KWH 51.2V-P65H2EV50
Electrical Parameter	
Battery type	LiFePO ₄
Nominal voltage	51.2V
Nominal capacity	100Ah
Energy	5120Wh
Continuous discharge current	50A
Charge cut-off voltage	57.6V
Discharge cut-off voltage	41.6V
Max. charge current	50A
Max. discharge current	100A
Peak discharge current	120A
Recommend discharge current	50A
Cycle life	> 6000 cycles (25°C, 0.5C) 80%DOD
Communication	RS485 CAN RS232
Display	LCD
Open-circuit voltage	50.88~53.6V
Number of series/parallel	Max 14 battery packs in parallel
Environmental Parameter	
Charge & discharge temperature	Charge: 0°C~+55°C Discharge: -20°C~+60°C
Storage temperature range	5°C ~ +35°C
Relative humidity	40%-80%
Ingress protection	IP65
Mechanical Parameter	
Terminal	Quick-plug
Dimension (L x W x H) (mm)	510x180x560
Weight (kg)	49.8±0.5
Certification	UN38.3, MSDS, IEC62619, ROHS