

RK48100LFP-HES-STA

48V100Ah energy storage lithium iron phosphate batteries

FEATURES

- Use safer lithium iron phosphate batteries
- Integrated Intelligent Battery Management System (BMS):
 - Prevent overcharge, overdischarge, and high current inside the battery to ensure battery safety and reliability.
 - Balance each battery to extend battery life.
 - Intelligent monitoring, remote measurement, remote communication, RS485 remote control
- 3U chassis size, ultra-thin design
- With LCD display to display detailed battery parameters
- match with the market mainstream inverter
- Mainly used in home energy storage system



General Specification

Electrical Characteristics	
Nominal Voltage	48V (15S1P module)
Nominal Capacity@0.2C	100Ah
Continuous Discharge Power@50%SOC	4800W
Cycle Life	≥2500 Cycles @80%DOD,0.2C/0.2C
Months Self Discharge	≤5.0% per month at 25°C
Communication port	RS485/CAN
Standard Charge	
Charge Voltage	54V
Charge Current	20.0A@25°C
Max. Charge Current	100.0A
Standard Discharge	
Discharge Current	50A
Max. Continuous Current	100A
Discharge Cut-off Voltage	39V
Operating Environment	
Charge Temperature	0°C to 60°C ≤95% Relative Humidity
Discharge Temperature	-20°C to 60°C ≤95% Relative Humidity
Storage Temperature	0°C to 40°C ≤85% Relative Humidity
Other parameters	
Shell material	Sheet metal chassis
battery size	483 (L) *450 (W) *153 (H) mm
Pack weight	40Kg