

RK48100LFP-Rack

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
- Multiple batteries can be connected in parallel to increase system capacity
- With LED status indicator and alarm indicator
- Suitable for telecom base station energy storage, UPS backup power supply



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 |
| Standard Charge | |
| Charge Voltage | 54V |
| Charge Current | 20.0A |
| 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) *440 (W) *133 (H) mm |
| Pack weight | 40Kg |