



Rack Tower Lifepo4 UPS 51.2v Lithium Portable Power Pack Energy Storage

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN38.3
- Model Number: QYU48-50
- Minimum Order Quantity: 10
- Price: USD/CNY, Unit
- Packaging Details: wooden case
- Delivery Time: 1-2 months
- Payment Terms: L/C, T/T
- Supply Ability: 500 set per month



Product Specification

- Battery Type: LFP Battery
- Rated Voltage: 51.2V
- Life Cycle: 3000 Times
- Installation: Rack/tower
- Application: UPS System, Back Up Power
- OEM/customization: Acceptable
- Highlight: **rack lifepo4 ups, tower lifepo4 ups, 51.2v lithium portable power pack**

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Product Description

Features:

High ratio lithium iron phosphate batteries, high safety performance;
 Lithium iron phosphate battery has UL, CE certification;
 Modular design, lightweight, optimized footprint;
 Lithium battery system with voltage, current, temperature monitoring functions;
 Supports high current charge;
 Screen display, can acquire the battery information in real time;
 Can be directly connected to the ring and CAN communication;
 With automatic fire extinguishing equipment;
 Blind charge and discharge, blind self-protection function;
 City grid automatic start function;
 Supports neutral line connection and conventional installation;
 Supports customized for parallel use with lead acid batteries;

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|----------------------------------|-------------|--|
| Rated Capacity | 100Ah | 25°C±3°C,0.2C constant current discharging,40.5V cut off |
| Rated Voltage | 48V | |
| Standard Charge Current | 20A(0.2C) | 0.2C CC(Constant current)charge to 54.0V,then CV(constant voltage)charge, cut off when charging current≤0.05C. |
| Max Continuous Charge Current | 50A(0.5C) | Do not exceed 0.5C |
| Max Charge Current | 100A(1C) | Requirement: 1 cycle/day |
| Charge Cut Off Voltage | 54.0V | Equalized Charge Voltage:53.5V Floating Charge Voltage:51.0V |
| Standard Discharge Current | 20A(0.2C) | 0.2C CC(Constant Current)discharge, cut off @40.5V. |
| Max Continuous Discharge Current | 50A(0.5C) | Continuous 50A discharge |
| Max Discharge Current | 100A(1C) | Requirement: 1 cycle/day |
| Discharge Cut Off Voltage | 40.5V | 2.7V/Cell, 40.5V / Pack. |
| Max Pulse Discharge Current | 130A | 25°C±3°C,≤1s |
| Working Temperature (charge) | 0°C~55°C | 0°C-10°C:continuous 20A(max)charge 10°C-45°C: continuous 50A(max)charge 45°C-55°C:continuous 20A(max)charge |
| Working Temperature (discharge) | -20°C~55°C | Battery can work at specified temperature range with capacity loss in tolerance. |
| Storage temperature | -20°C~ 45°C | (short term) Within 1 month |
| Storage temperature | 0°C~35°C | (long term) Within 1 year |
| Battery Weight | About 45Kg | |
| Battery Impendence | ≤30mΩ | DC Internal Resistance |
| Charge/Discharge Efficiency | ≥95% | Charge/discharge efficiency in Wh (round trip efficiency) at 0.2C charge and discharge current,25°C. |



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