



## Portable Lifepo4 UPS Battery 51.2v Rack Lithium Battery Pack Pack Energy Storage

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: Qiyuan
- Certification: CE, IEC, MSDS, UN38.3
- Model Number: QYU48-24P
- 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: **portable Lifepo4 UPS Battery, 51.2v lithium battery pack, rack lithium battery pack**

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## Product Description

### Features:

High ratio lithium iron phosphate batteries, safety performance;  
 Battery cell 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;  
 Directly connected to the ring and CAN communication;  
 With automatic fire extinguishing equipment;  
 Blind charge and discharge, blind self-protection function;  
 Grid automatic start function;  
 Supports neutral line connection and conventional installation;  
 Supports customized for parallel use with lead acid batteries;

Rated Capacity	100Ah	25°C±3°C, 0.2C constant current discharging.
Rated Voltage	48V	
Standard Charge Current	20A	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	Do not exceed 0.5C
Max Charge Current	100A	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 CC(Constant Current)discharge, cut off @ 40.5V.
Max Continuous Discharge Current	50A	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 Impedence	≤ 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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