



## Rack Mount Lifepo4 Lithium Ion Phosphate Battery Energy Storage Server Rack Battery 10kw 15kw 20kw 30kw

Our Product Introduction

### Basic Information

- Place of Origin: China
- Brand Name: XWELL
- Certification: UN38.3, MSDS, UL, CB, BIS, PSE, GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE
- Model Number: XW-5120W-1
- Minimum Order Quantity: 1 pcs
- Packaging Details: Carton
- Delivery Time: 7-10 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 5000 pcs per month



### Product Specification

- Application: Solar Energy Storage Systems
- Capacity: 5kwh
- Pack Capacity: 50Ah 100Ah 200Ah
- Pack Energy: 2.56Kwh 5.12Kwh 10.24Kwh (Optional)
- Discharge Current: 50A
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 42.5V
- Display: LCD Optional
- Communication Interface: RS485, RS232, CAN
- Cycle Life: >6000 Cycles(80%DOD)
- Highlight: **20kw Rack Mount Lifepo4 Battery,  
30kw Rack Mount Lifepo4 Battery,  
15kw Rack Mount Lifepo4 Battery**

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## Product Description

### Rack Mount Lifepo4 Lithium Ion Phosphate Battery Energy Storage Server Rack Battery 10kw 15kw 20kw 30kw

#### 1.Quickly recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.

#### 2.Extreme heat tolerance

Suitable for use in a wider range of applications where ambient temperature is usually high:up to +60°C

#### 3.Lightweight

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

### Basic Functions for Long-Term Safe Use

**Voltage Detection and Protection:** Prevents overvoltage and undervoltage conditions in the battery.

**Current Detection and Protection:** Monitors charging and discharging currents to prevent excessive current flow.

**Temperature Detection and Protection:** Monitors the temperature of battery cells, MOS, and the environment, providing warnings and protection during high and low-temperature charging and discharging.

**Balancing Function:** Effectively balances the charge levels of individual cells, enhancing the battery's lifespan.

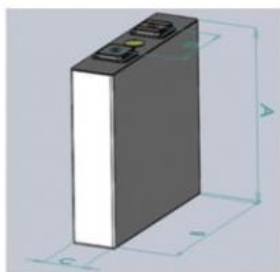
**Short Circuit Protection:** Detects and protects against discharge circuit short circuits promptly.

**Reverse Polarity Protection:** Activates reverse polarity protection upon detecting output reversal when powered on, preventing damage to connected devices.

### Rackmount Lithium Battery Specification

Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal voltage	51.2V		
Nominal capacity (kwh)	2.56	5.12	10.24
Cell type	LiFePO4		
Standard charge voltage	54.6V(adjustable)		
Max charge current	50A		
Discharge cut-off voltage	42.5V(adjustable)		
Max discharge current	50A		
Display	LCD(Optional)		
Communication interface	CAN/RS485/RS232		
Cycle life	>6000 Cycles (80%DOD)		
Charge temperature range	0~45°C		
Discharge temperature range	-20~60°C		
Color	Black		
Dimension (mm)	442x410x133 3U	442x410x177 4U	550x442x220 5U
Weight	About 35Kg	About 42Kg	About 84Kg
Installation method	Rack Mount		

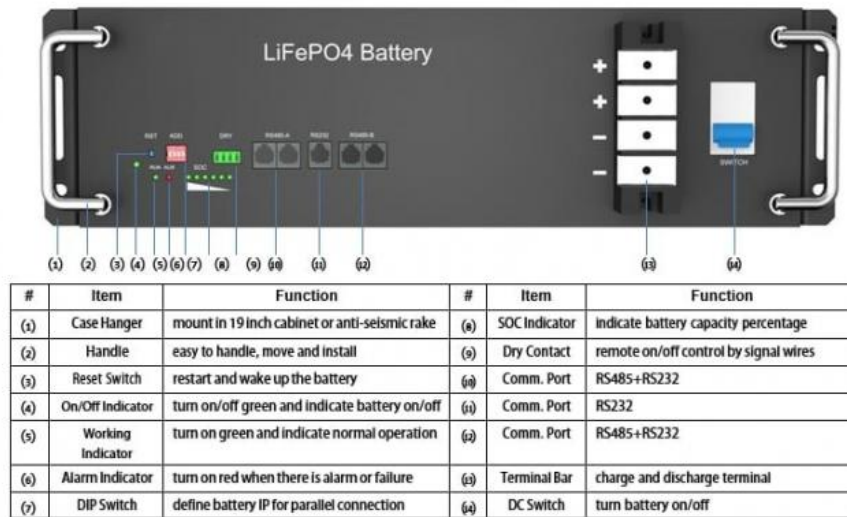
### Cell Specification of Rackmount Lithium Battery



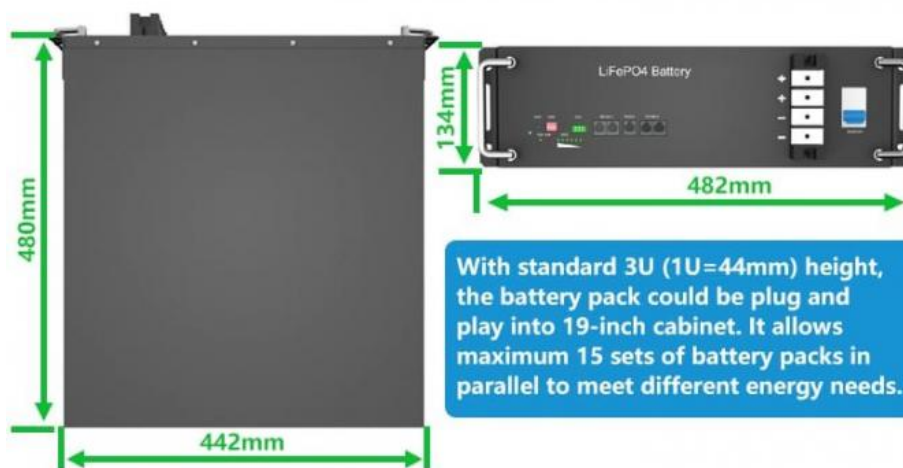
#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

### Operation Pannel of Rackmount Lithium Battery

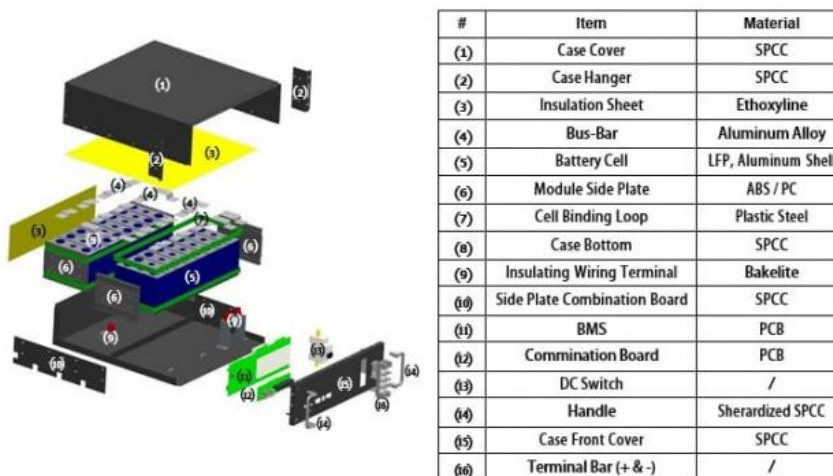




### Size of Rackmount Lithium Battery



### Structure of Rackmount Lithium Battery



### Application of Rackmount Lithium Battery



## Application Scenario



Data Center



C&I Park



Telecom Base



Medical Equipment

### What We Offer?

Supply chain solution, strict quality control, real-time response  
OEM/ODM Manufacturer, custom sizes and shapes available on request  
Suggestion of new design or material, new technology and cost structure  
Engineers team at your service  
Flexible small orders are acceptable  
One-stop supply to eliminating messy links



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