

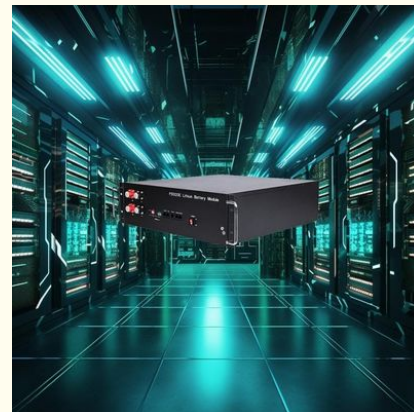


## Cycle Rack Mount 48V Lifepo4 Battery 100Ah 150Ah 300Ah

### 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

- System Type: Rack-mounted
- Place Of Origin: Guangdong, China
- Nominal Capacity: 100Ah
- Nominal Energy: 5.12Kwh
- 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: **150Ah Lifepo4 Battery, 100Ah Lifepo4 Battery, 300Ah Lifepo4 Battery**

## Product Description

### Cycle Rack Mount 48V Lifepo4 Battery 100Ah 150Ah 300Ah

#### Choice Monitor Digital Display

Battery is with digital display which allow users to monitor voltage of each serial of cells, battery's rated voltage and capacity, temperatures and BMS parameters etc.

#### Support max. 6 parallels

If without master control, it support max. 6 parallels for highest 30.72Kwh battery system; If with standard master controls, it can be paralleled and serialed with more batteries.

#### Easy to install and use

Just plug and play to minimize the installation time and cost, Compact and fashionable design fits in your sweet home environment

#### Compatibility

Compatible with most of the available Hybrid inverters

#### Safety Cert

UL1642, 1EC62619, CE, UN38.3, MSDS

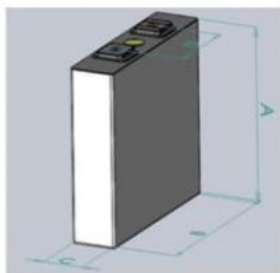
#### Features

1. Rack Mounted Lithium battery has LCD screen, convenient setting buttons
2. APP Monitor on your smartphones, and cables & accessories ready for installation
3. To welcome the world cooperation we accept OEM with your logo design

#### Rackmount Lithium Battery Specification

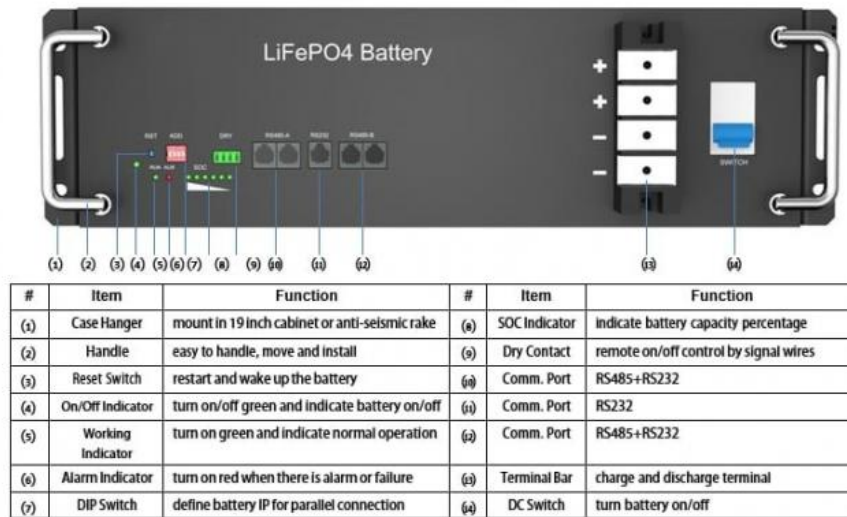
| Model                       | 51.2V50Ah             | 51.2V100Ah        | 51.2V200Ah        |
|-----------------------------|-----------------------|-------------------|-------------------|
| Nominal voltage             | 51.2V                 |                   |                   |
| Nominal capacity (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<br>3U     | 442x410x177<br>4U | 550x442x220<br>5U |
| Weight                      | About 35Kg            | About 42Kg        | About 84Kg        |
| Installation method         | Rack Mount            |                   |                   |

#### Cell Specification of Rackmount Lithium Battery

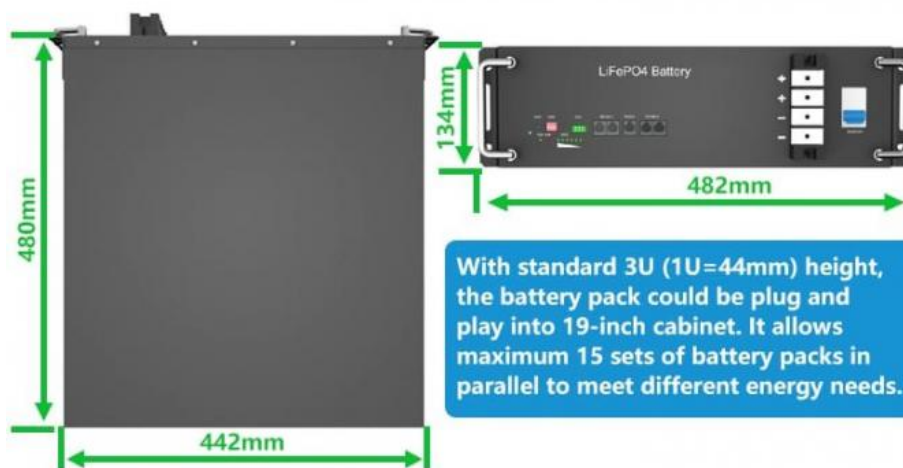


| # | Item          | Parameter  |
|---|---------------|------------|
| A | Height        | 119±1.0 mm |
| B | Width         | 160±1.0 mm |
| C | Thickness     | ≤50 mm     |
| D | Tabs Distance | 97±0.5 mm  |

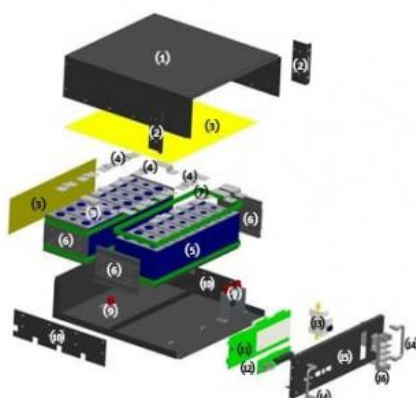
#### Operation Pannel of Rackmount Lithium Battery



### Size of Rackmount Lithium Battery



### Structure of Rackmount Lithium Battery



| #    | Item                         | Material            |
|------|------------------------------|---------------------|
| (1)  | Case Cover                   | SPCC                |
| (2)  | Case Hanger                  | SPCC                |
| (3)  | Insulation Sheet             | Ethoxyline          |
| (4)  | Bus-Bar                      | Aluminum Alloy      |
| (5)  | Battery Cell                 | LFP, Aluminum Shell |
| (6)  | Module Side Plate            | ABS / PC            |
| (7)  | Cell Binding Loop            | Plastic Steel       |
| (8)  | Case Bottom                  | SPCC                |
| (9)  | Insulating Wiring Terminal   | Bakelite            |
| (10) | Side Plate Combination Board | SPCC                |
| (11) | BMS                          | PCB                 |
| (12) | Commination Board            | PCB                 |
| (13) | DC Switch                    | /                   |
| (14) | Handle                       | Sherardized SPCC    |
| (15) | Case Front Cover             | SPCC                |
| (16) | Terminal Bar (+ & -)         | /                   |

### 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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