



## 51.2V 50ah Lithium Ion UPS Rackmount Rechargeable With BMS Solar System

### 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

- Nominal Voltage: 51.2V (Optional)
- Nominal Capacity: 100Ah 200Ah (Optional)
- Nominal Energy: 5.12Kwh 10.24Kwh (Optional)
- Cell Type: LiFePO4
- 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: **51.2V lithium ion ups rackmount ,  
50ah lithium ion ups rackmount ,  
rack mount ups lithium Rechargeable**

## Product Description

### 51.2V 50ah 100ah 200ah Solar Lithium-Ion Li-ion Lithium Ion Rechargeable LiFePO4 UPS Battery with BMS Solar System

Xwell rack mounted Lithium battery (LiFePO battery) solutions are highly integrated, deep cycle backup power solutions for your solar home energy storage system. With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion.

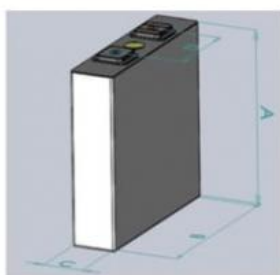
#### Features

1. 4000 cycles @80% DoD for effectively lower total of ownership cost;
2. Low maintenance batteries with stable chemistry;
3. Battery Management System (BMS) is incorporated against abuse;
4. Up to 6 months thanks to its extremely low self discharge rate and no risk of sulphation;
5. Save time and increase productivity with less down time thanks to superior charge/discharge efficiency;
6. Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C;
7. Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

#### Rackmount Lithium Battery Specification

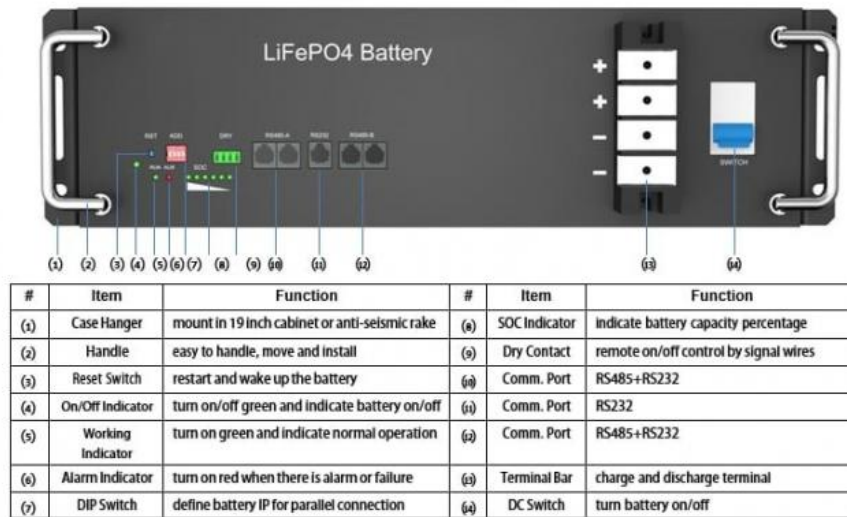
| Model                       | 51.2V50Ah             | 51.2V100Ah        | 51.2V200Ah        |
|-----------------------------|-----------------------|-------------------|-------------------|
| Nominal voltage             | 51.2V                 |                   |                   |
| Nominal capacity (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

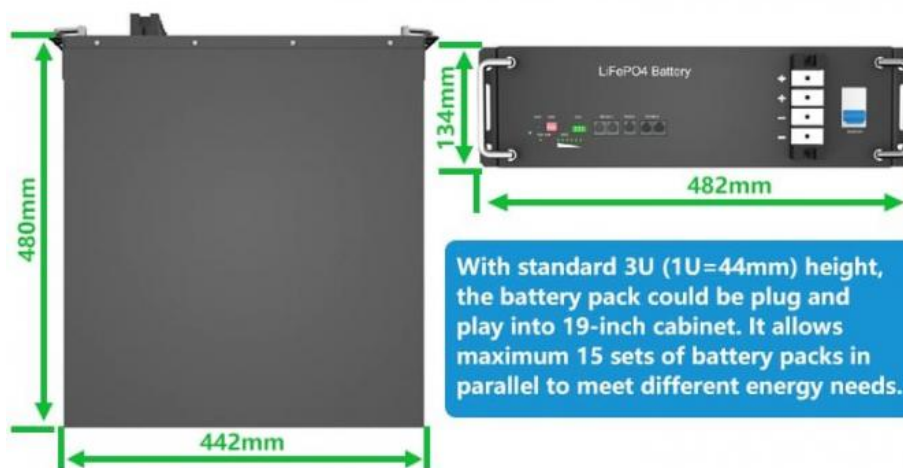


| # | Item          | Parameter  |
|---|---------------|------------|
| A | Height        | 119±1.0 mm |
| B | Width         | 160±1.0 mm |
| C | Thickness     | ≤50 mm     |
| D | Tabs Distance | 97±0.5 mm  |

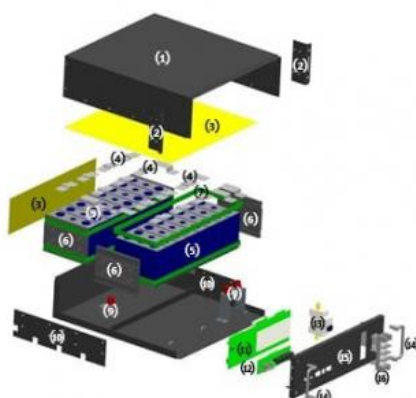
#### Operation Pannel of Rackmount Lithium Battery



### 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

### About XWELL

Xwell was established in 2014, with the headquarter in Guangzhou, which is a professional Hi-tech enterprise specializes in the research, development and manufacturing of Uninterruptible Power Supply(UPS), power inverter, solar power inverter.



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