



## 51.2V 100AH Stack All In One Rackmount Lithium Battery

### 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

- Color: Optional
- Output Port Mode: Terminal
- 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: **All In One Rackmount Lithium Battery, 51.2V Rackmount Lithium Battery**

## Product Description

### 51.2V 100AH Stack All In One

## Coverage of application

Hospital

Bank data center

Wall-mounted home

Enterprise energy storage backup power supply

Wind complementary system

Office

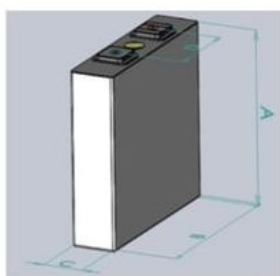
Military

Base station and other uninterrupted energy storage power supply

## 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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