



1.2v 50Ah 100Ah 150Ah 200Ah 280Ah 300Ah 400Ah 500Ah Lithium Lifepo4 **Battery**

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

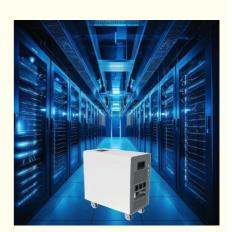
Minimum Order Quantity: 1 pcs Packaging Details: Carton

. 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

Model Number: 48V100Ah System Type: Rack-mounted · 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: Display: LCD Optional • Communication Interface: RS485, RS232, CAN . Cycle Life: >6000 Cycles(80%DOD)

. Highlight: 100Ah Lithium Lifepo4 Battery,

1.2v Lithium Lifepo4 Battery, 200Ah Lithium Lifepo4 Battery

1.2v 50Ah 100Ah 150Ah 200Ah 280Ah 300Ah 400Ah 500Ah Lithium Lifepo4 Battery

Key Features

Lighter Weight, More Power.

Featuring A-grade prismatic cells with over 6000 recharge cycles.

Maintenance-free, suitable for parallel connections.

Enhanced Safety: Our batteries have undergone extensive safety testing.

Enhanced Durability: Our BMS with Intellectual Property Rights extends battery life to over 10 years.

Smart Heating: Auto-engages in cold, shuts off when warm or not charging.

Upper Computer Control Interface: User-friendly for parameter adjustments and firmware upgrades.

Basic Functions for Long-Term Safe Use

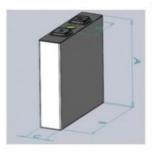
Voltage Detection and Protection: Prevents overvoltage and undervoltage conditions in the battery. Current Detection and Protection: Monitors charging and discharging currents to prevent excessive current flow. Temperature Detection and Protection: Monitors the temperature of battery cells, MOS, and 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 lif

Rackmount Lithium Battery Specification

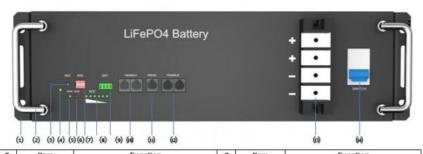
| Model | 51.2V50Ah | 51.2V100Ah | 51.2V200Ah | | |
|-----------------------------|-------------------|--------------------|-------------------|--|--|
| Nominal voltage | 51.2V | | | | |
| Nominal capacity (kwh) | 2.56 | 5.12 | 10.24 | | |
| Cell type | LiFePO4 | | | | |
| Standard charge voltage | | 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%D | es (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



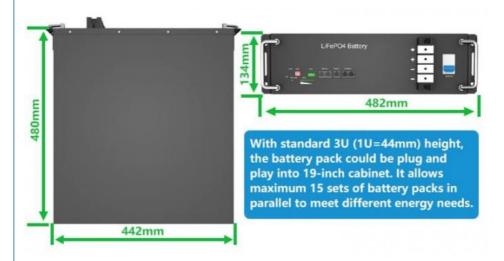
| # | Item | Parameter |
|---|---------------|---------------|
| A | Height | 119±1.0 mm |
| В | Width | 160±1.0 mm |
| С | Thickness | ≤50 mm |
| D | Tabs Distance | 97±0.5 mm |

Operation Pannel of Rackmount Lithium Battery

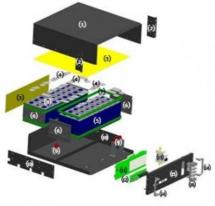


| # | Item | Function | # | Item | Function |
|-----|----------------------|---|------|---------------|---------------------------------------|
| (1) | Case Hanger | mount in 19 inch cabinet or anti-seismic rake | (8) | SOC Indicator | indicate battery capacity percentage |
| (2) | Handle | easy to handle, move and install | (9) | Dry Contact | remote on/off control by signal wires |
| (3) | Reset Switch | restart and wake up the battery | (10) | Comm. Port | RS485+RS232 |
| (4) | On/Off Indicator | turn on/off green and indicate battery on/off | (11) | Comm. Port | RS232 |
| (5) | Working Indicator | turn on green and indicate normal operation | (12) | Comm. Port | RS485+RS232 |
| (6) | Alarm Indicator | turn on red when there is alarm or failure | (13) | Terminal Bar | charge and discharge terminal |
| (7) | DIP Switch | define battery IP for parallel connection | (4) | DC Switch | turn battery on/off |

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 |
| (io) | Side Plate Combination Board | SPCC |
| (11) | BMS | PCB |
| (12) | Commination Board | PCB |
| (13) | DC Switch | 1 |
| (14) | Handle | Sherardized SPCC |
| (15) | Case Front Cover | SPCC |
| (16) | Terminal Bar (+ & -) | 1 |

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



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