



48V 51.2V Rackmount Lithium Battery , 5kwh 10kwh Lifepo4 Battery 4000 Cycles

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: 48V 51.2V (Optional)
- Nominal Capacity: 50 100 200 Ah (Optional)
- Nominal Energy: 2156 5120 10240 Wh (Optional)
- Cell Type: Prismatic LiFePO4 Cells
- 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 Rackmount Lithium Battery, Rackmount Lithium Battery 4000 Cycles, 48V 10kwh Lifepo4 Battery**

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Product Description

Low Voltage 48V 51.2V Rackmount Lithium Battery Pack 5kwh 10kwh LiFePO4 Battery

It's long life character, highest energy and power density in the industry, fashionable design, easiness of installation and expansion, all reflects the real requirements of end users and strongest technical capability of XWELL's. Widely used in microgrid energy storage, photovoltaic energy storage, computer data ROM stand-by power, UPS and etc.

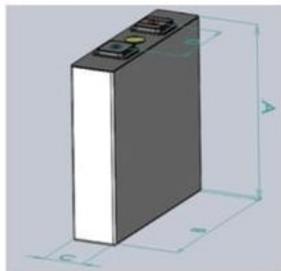
Features:

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

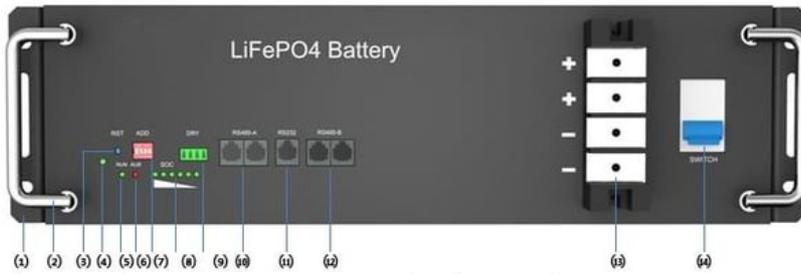
| | | | |
|-----------------------------|-----------------------|-------------------|-------------------|
| Model | 51.2V50Ah | 51.2V100Ah | 51.2V200Ah |
| Nominal voltage | 51.2V | | |
| Nominal capacity (kwh) | 2.56 | 5.12 | 10.24 |
| Cell type | LiFePO4 | | |
| Standard charge voltage | 54.6V(adjustable) | | |
| 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 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 Panel of Rackmount Lithium Battery

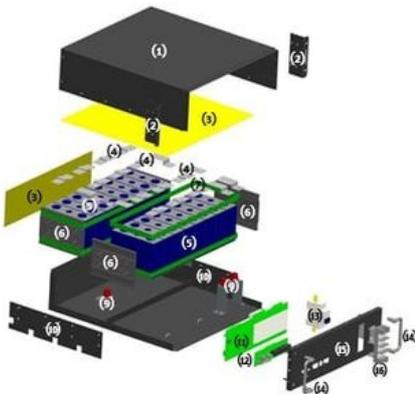


| # | Item | Function | # | Item | Function |
|-----|-------------------|---|------|---------------|---------------------------------------|
| (1) | Case Hanger | mount in 19 inch cabinet or anti-seismic rake | (8) | SOC Indicator | indicate battery capacity percentage |
| (2) | Handle | easy to handle, 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 | (14) | 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 |
| (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

FAQ

Q1: How to choose a right system and products?

A1: Tell us your requirements, then our seller will recommend a suitable product and system to you.

Q2: The advantages of home photovoltaic system

A2: Solar photovoltaic power generation performance is stable and reliable, with a service life of more than 25 years; Small investment, big income; zero pollution; Low maintenance costs;

Q3: Why choose us?

A3: XWELL have been engaged in new energy power generation for more than 16 years. Our products and services cover more than 39 countries. Our R&D team is composed of top experts in various fields. We are committed to providing first-class solutions for PV power plants.

Q4: What is the warranty of solar system?

A4: 5 years for whole system, 10 years for inverter, modules, frame. And we can make sure our products will through very strictly testing, and then send to you.

Q5: How to solve the technical problem?

A5: 24 hours after-service consultancy just for you and to make your problem to solve easily. And we have offices in many countries, if you have problems, we can arrange people to help you solve problem.

Q6: What about the package?

A6: Strict double-layer packaging design, Rigorous vibration testing. Ensure that the product is not damaged during transportation.



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