



Energy Efficient Using Lithium Ion Rack-Mounted Storage Battery System

Basic Information

Place of Origin: ChinaBrand 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 pcsPackaging 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

• Type: All-in-one

Product Name: Rack Mounted Home Energy Storage Battery

System

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, CANCycle Life: >6000 Cycles(80%DOD)

Highlight: Energy Efficient Lithium Ion Battery,
 Rack Mounted Storage Battery System,

Rack Mounted Lithium Ion Battery

Product Description

Energy-Efficient Using Lithium-Ion Rack-Mounted Storage Battery System

Product advantages

- ♦ Gotion High-tech Top-ranked A-class automotive batteries
- ♦ Safe and reliable lithium iron phosphate battery
- ♦ Multiple protection of software and hardware
- ♦ Multi-brand and multi-model inverter compatibility
- ♦ All-aluminum large heat dissipation area, natural cooling system

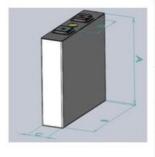
Monitor Digital Display

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.

Rackmount Lithium Battery Specification

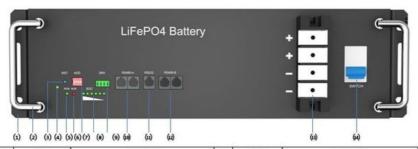
| Model | E1 0\/E0 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | E1 0\/100Ab | 51.2V200Ah | | |
|---------------------------|--|-------------------|-------------|--|--|
| | | | | | |
| Nominal voltage | 51.2V | | | | |
| Nominal capacity (kwh) | 2.56 | 5.12 | 10.24 | | |
| Cell type | LiFePO4 | | | | |
| Standard 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 | -20~60°C | | | | |
| range | 20 00 0 | | | | |
| Color | Black | | | | |
| Dimension (man) | 442x410x133 | 442x410x177 | 550x442x220 | | |
| Dimension (mm) | 3U | 4U | 5U | | |
| Weight | About 35Kg | About 42Kg | About 84Kg | | |
| Installation method | Rack Mount | | | | |

Cell Specification of Rackmount Lithium Battery



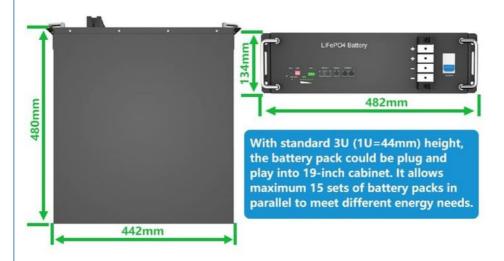
| # | Item | Parameter |
|---|---------------|---------------|
| A | Height | 119±1.0 mm |
| В | Width | 160±1.0 mm |
| С | Thickness | ≤50 mm |
| D | Tabs Distance | 97±0.5 mm |

Operation Pannel of Rackmount Lithium Battery

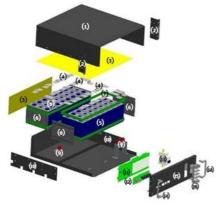


| # | Item | Function | # | Item | Function |
|-----|----------------------|---|------|---------------|---------------------------------------|
| (1) | Case Hanger | mount in 19 inch cabinet or anti-seismic rake | (8) | SOC Indicator | indicate battery capacity percentage |
| (2) | Handle | easy to handle, 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 | (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 Shel |
| (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 | 1 |
| (14) | Handle | Sherardized SPCC |
| (15) | Case Front Cover | SPCC |
| (16) | Terminal Bar (+ & -) | 1 |

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



XWELL GUANGDONG XWELL TECHNOLOGY CO., LTD.



+86 18620492985



sales@esslithiumbattery.com



esslithiumbattery.com

Room 322, Building 3, No. 801, Qiaoxing Avenue, Xiaoluo Village, Shatou Street, Panyu District, Guangzhou, China