



Backup Solar Lifepo4 Rackmount Lithium Battery 5kwh 51.2V 48V 100ah

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 (Optional)
- Nominal Capacity: 100Ah (Optional)
- Nominal Energy: 5120wh (Optional)
- Cell Model: Prismatic 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: **Solar Rackmount Lithium Battery, 5kwh Rackmount Lithium Battery, 100ah solar lifepo4 battery**

Product Description

5kwh 51.2V 48V 100ah Rackmount Ess Solution Lithium Ion Backup Solar LiFePO4 Battery

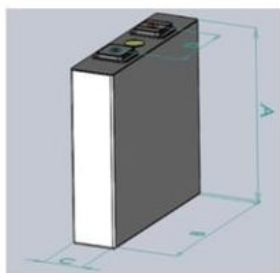
Rackmount Lithium Battery Key Feature

1. Home Energy Storage System
2. Up-grade Cells
3. 16 Sets Batteries Can Be Connected In Parallel To Enlarge Capacity
4. Advanced BMS Multiple Protection
5. 51.2v Low-Voltage (Avaliable For 48v System)
6. Multiple Communication Interfaces: Rs485, Can
7. Safety Certification: CE, Un38.3 etc.
8. 3 Years Warranty
9. 7 * 24 Hours Engineer Online Support

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 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 located in Guangzhou, is a high-tech photovoltaic enterprise integrating R & D, production and sales. Holding the concept of "Focusing on quality, technology upgrading, customers' demand and professional service" Amensolar has become the strategic partner with many famous solar energy companies in the world.

Xwell's main products include solar photovoltaic energy storage inverters, energy storage battery systems, etc, and Amensolar provides the services of system design, project construction and maintenance, and third-party operation and maintenance.



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