



# Battery 48V100Ah 5KW 10KW 15KW 20KW For Solar Home Energy Storage Base Station

#### **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 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**

• Communication: RS485/RS232

• Rated Charge/discharge 0.5C

Rate:

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 C

Display: LCD Optional
 Communication Interface: RS485, RS232, CAN
 Cycle Life: >6000 Cycles(80%DOD)

• Highlight: 100Ah Solar Home Energy Storage Battery,

20KW Solar Home Energy Storage Battery, 10KW Solar Home Energy Storage Battery

#### **Product Description**

#### Battery 48V100Ah 5KW 10KW 15KW 20KW For Solar Home Energy Storage Base Station

The product adopts isolated communication design, supports RS485/CAN communication mode, RS485 communication default baud rate is 9600 bps, 8 bit data bit, 1 bit stop bit, no test bit; The default baud rate of CAN communication is 500Kbps;

#### **Rackmount Lithium Battery Specification**

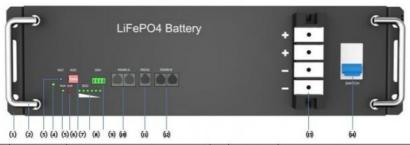
| Model                          | 51.2V50Ah                      | 51.2V100Ah        | 51.2V200Ah        |  |  |
|--------------------------------|--------------------------------|-------------------|-------------------|--|--|
| Nominal voltage                | 51.2V                          |                   |                   |  |  |
| 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)                 | mension (mm) 442x410x133<br>3U |                   | 550x442x220<br>5U |  |  |
| Weight                         | About 35Kg                     | About 42Kg        | About 84Kg        |  |  |
| Installation method Rack Mount |                                |                   |                   |  |  |

#### **Cell Specification of Rackmount Lithium Battery**



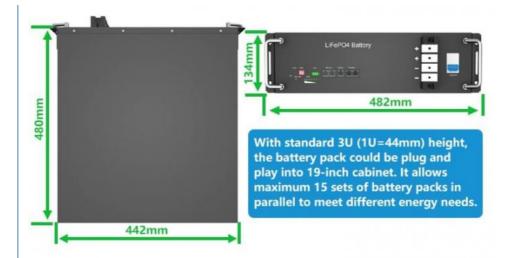
| # | Item          | Parameter     |
|---|---------------|---------------|
| A | Height        | 119±1.0<br>mm |
| В | Width         | 160±1.0<br>mm |
| С | Thickness     | ≤50 mm        |
| D | Tabs Distance | 97±0.5 mm     |

#### **Operation Pannel of Rackmount Lithium Battery**

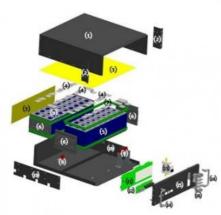


| #   | Item                 | Function                                      | #    | Item          | Function                              |
|-----|----------------------|---|------|---------------|---------------------------------------|
| (1) | Case Hanger          | mount in 19 inch cabinet or anti-seismic 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<br>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    | (1)  | 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 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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