



## 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.

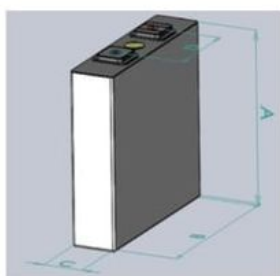
#### Features:

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 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

### 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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