



48V 5.12kwh 100A Lithium Rackmount Lithium-ion Battery System Batterie Lifepo4

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-1024W-1
- Minimum Order Quantity: 1 pcs
- Price: USD
- 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

- Max Continuous Charge Curre: 100A
- Voltage(V): 48V
- Cell Type: LiFePO4 Prismatic Cell
- Discharge Current: 100A
- Max Charge Current: 100A
- Discharge Cut-off Voltage: 42.5-51.2V
- Communication Interface: RS485, RS232, CAN
- Nominal Energy (kwh): 5.12Kwh
- Highlight: **5.12kwh Lithium Rackmount Battery, 100A Lithium Rackmount Battery, 48V Lithium Rackmount Battery**

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Product Description

48V 5.12kwh 100A Lithium Floor-Mounted Home Energy Storage System Batterie Lifepo4

Rackmount lithium-ion battery systems

Rackmount lithium-ion battery systems are modular, high-density energy storage solutions designed for installation in standard 19-inch server racks. They provide scalable backup power for critical infrastructure applications like data centers, telecom networks, and industrial facilities.

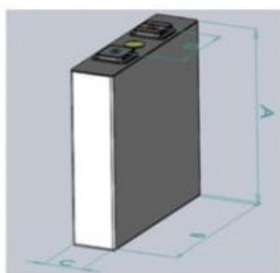
Key Features

Lithium-ion battery chemistry, typically NMC or LFP cells
 Modular, hot-swappable battery packs for easy capacity scaling
 Integrated battery management system (BMS) for safety and monitoring
 Compact, rack-mountable enclosure adhering to 19-inch standards
 High energy and power density compared to lead-acid batteries
 Long cycle life and low maintenance requirements

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

Why choose us?

We production of battery products are widely used in communications, power, financial systems, uninterruptible power supply systems (UPS), power plant and substation switch control, solar panels, controllers inverter etc solar systems, emergency lighting, alarm systems, cars, ships, motorcycles, electric bicycles and other industries. Sales network covers all provinces, municipalities, autonomous regions and established offices in various places and after-sales service center.

Our team with Yuasa ,BYD battery senior consultant,High quality technical management team, advanced production and testing equipment to ensure the quality of the battery is reliable.



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