



48V 100Ah Rack-Mounted LiFePo4 Lithium Ion Rechargeable Solar Battery Pack For Home Energy Storage 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 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

Battery Type: LiFePO4Output Power Range: 5~10 KWh

• 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, CAN
Cycle Life: >6000 Cycles(80%DOD)

Highlight: 100Ah Rack Mounted LiFePo4 Battery Pack,

Rack Mounted LiFePo4 Battery Pack, 48V Rack Mounted LiFePo4 Battery Pack

Product Description

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Remote Smart Management (Optional)

Equipped with an optional Wi-Fi module for cloud connectivity. Easily monitor, control, and perform remote upgrades through a mobile app or PC browser.

Bluetooth Connectivity (Optional)

Equipped with an optional Bluetooth module for mobile app monitoring, settings adjustment, and battery firmware upgrades. Convenient and efficient.

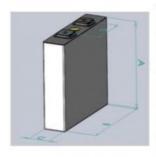
Anti-theft Function (Optional)

With an optional gyroscope, when the anti-theft function is activated and detects movement or tilting, it triggers theft protection.

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	nstallation method Rack Mount				

Cell Specification of Rackmount Lithium Battery



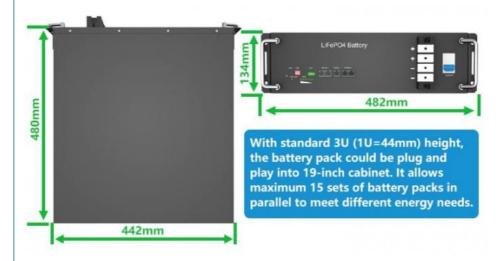
#	Item	Parameter
A	Height	119±1.0 mm
В	Width	160±1.0 mm
С	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

Operation Pannel of Rackmount Lithium Battery

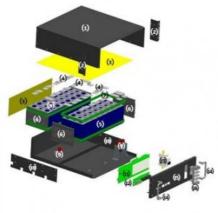


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)	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	(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 Shel
(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
(B)	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



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