



50kWh High Voltage Lifepo4 Rackmount Energy Storage Solution For Business Needs

Our Product Introduction

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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

- Obvious Energy(kwh): 51.2kwh
- Apparent Voltage: 512V
- Max Charge/discharge Current: 100A
- Cell Kind: LiFePO4 Prismatic Cell
- Communication Interface: RS485, RS232, CAN
- Nominal Volume (kwh): 10.24kwh
- Chemistry: Lifepo4
- Function Temperature Range: Charging 0~55 Discharging -20~55
- Highlight: High Voltage Rackmount Energy Storage Solution
50kWh Rackmount Energy Storage Solution,
Business Needs Rackmount Energy Storage Solution

Product Description

50kWh High voltage Lifepo4 Rackmount Energy Storage System for Industrial Applications

The 50kWh High Voltage Lifepo4 Rackmount Energy Storage System is a cutting-edge solution designed specifically for business applications. This system offers a reliable and efficient way to store energy, ensuring uninterrupted power supply during peak demand or power outages.

Whether for data centers, industrial facilities, or commercial buildings, the 50kWh High Voltage Lifepo4 Rackmount Energy Storage System is a reliable and efficient energy storage solution for commercial settings.



Our Product Introduction

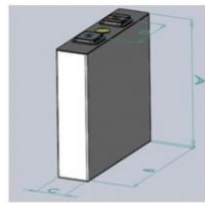
Benefits:

Optimized for large-scale industrial and commercial settings
Efficient high-voltage operation for improved system performance
Modular rackmount design for easy installation and scalability
Reliable and safe LiFePO4 battery technology
Versatile solution for energy storage and grid integration needs

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

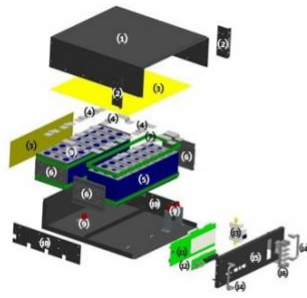


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rack	(6)	SOC Indicator	Indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(7)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(8)	Comm. Port	RS485+RS232
(4)	On/Off Indicator	turn on/off green and indicate battery on/off	(9)	Comm. Port	RS232
(5)	Working Indicator	turn on green and indicate normal operation	(10)	Comm. Port	RS485+RS232
(6)	Alarm Indicator	turn on red when there is alarm or failure	(11)	Terminal Bar	charge and discharge terminal
(7)	DIP Switch	define battery IP for parallel connection	(12)	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
(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?

Technical specifications and performance capabilities
 Safety record and certifications
 Warranty terms and after-sales support
 Integration with existing infrastructure
 Cost-effectiveness and total cost of ownership
 Company reputation, experience, and financial stability
 Scalability and flexibility to adapt to changing needs



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