High Voltage Lifepo4 Rackmount Lithium Battery 30kwh - 50kwh Power **Storage Solution**

Basic Information

• Place of Origin: . Brand Name: XWELL

UN38.3,MSDS,UL,CB,BIS,PSE,GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE Certification:

Model Number: XW-1024W-1 • Minimum Order Quantity: 1 pcs USD

• Price: Packaging Details: Carton

• Delivery Time: 7-10 working days

• Payment Terms: L/C, D/A, D/P, T/T, Western Union,

MoneyGram

5000 pcs per month Supply Ability:



Product Specification

 Official Voltage: 51.2V • In Operation Voltage 456V-584V

Range:

. Component: 6pcs-10pcs

. Cell Kind: LiFePO4 Prismatic Cell

 Max Charge/discharge 600A-1000A

• Communication Interface: RS485, RS232, CAN

Token Capacity (kwh: 30-50khw Chemical Science: Lifepo4

Highlight: 50kwh Rackmount Lithium Battery,

High Voltage Rackmount Lithium Battery

more products please visit us on esslithiumbattery.com

ο̈́

Our Product Introduction

Product Description

High Voltag Lifepo4 Rackmount Lithium Battery 30kwh-50kwh Energy Storage System For Industrial Applications **Product Description:**

The High Voltage Lifepo4 Rackmount Lithium Battery is a powerful and reliable power storage solution. With a capacity ranging from 30kwh to 50kwh, it offers ample energy storage for various applications. The rackmount design makes it easy to install and integrate into different setups. Built with high-quality lithium iron phosphate technology, it provides long cycle life, high energy density, and excellent safety features. Whether for backup power, renewable energy storage, or industrial applications, this battery is a dependable choice for efficient power storage.









Our Product Introduction

Voltage: They operate at higher voltages, such as 480V AC, which is common for industrial and grid-tied applications.used in these systems are lithium iron phosphate (LiFePO4), known for their safety, long cycle life, and reliability.

Rack Mount Design: The modular rackmount form factor allows these high-voltage systems to be easily integrated into industrial facilities, electrical rooms, and other commercial spaces.

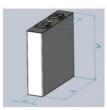
Use Cases:

Renewable energy integration and time-shifting
Peak shaving and load shifting to reduce energy costs
Frequency regulation and other grid ancillary services
Backup power and uninterruptible power supply (UPS) for critical loads

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
В	Width	160±1.0 mm
С	Thickness	≤ 50 mm
D	Tabs Distance	97±0.5 mm

Operation Pannel of Rackmount Lithium Battery

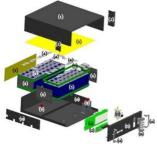


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(6)	Comm. Port	RS485+RS232
(4)	On/Off Indicator	turn on/off green and indicate battery on/off	(ii)	Comm. Port	RS232
(5)	Working Indicator	turn on green and indicate normal operation	(1)	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
(10)	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

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 $% \left(\frac{1}{2}\right) =\left(\frac{1}{2}\right) \left(\frac{1}{2$



XWELL GUANGDONG XWELL TECHNOLOGY CO., LTD.





€ +86 18620492985 Sales@esslithiumbattery.com esslithiumbattery.com

