



High Voltage Lifepo4 Rackmount Energy Storage Solution for Business **Environments**

Basic Information

Model Number:

. 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

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

. Supply Ability: 5000 pcs per month



Product Specification

Apparent Energy(kwh): 51.2kwh . Nominal Voltage: 512V Maximum Charge/discharge100A Current:

. Cell Kind: LiFePO4 Prismatic Cell Communication Interface: RS485, RS232, CAN

 Specifiedcapacity (kwh: 10.24khw . Chemistry: Lifepo4

Operating Temperature

Range: . Highlight: Charging 0~55 Discharging -20~55

Rackmount Energy Storage Solution,

High Voltage Rackmount Energy Storage Solution

Business Environments Rackmount Energy

Storage Solution

Product Description

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

Applications:

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

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

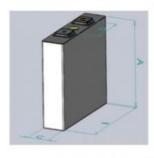
Reliable and safe LiFePO4 battery technology

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

Operation Pannel of Rackmount Lithium Battery

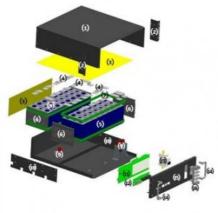


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)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

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



XWELL GUANGDONG XWELL TECHNOLOGY CO., LTD.



+86 18620492985



sales@esslithiumbattery.com



esslithiumbattery.com

Room 322, Building 3, No. 801, Qiaoxing Avenue, Xiaoluo Village, Shatou Street, Panyu District, Guangzhou, China