



## High Voltage Lifepo4 Rackmount Lithium Battery 30kwh-50kwh Energy Storage System

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

- Nominal Voltage: 51.2V
- Operating Voltage Range: 456V-584V
- Module: 6pcs-10pcs
- Cell Type: LiFePO4 Prismatic Cell
- Max Charge/discharge Current: 600A-1000A
- Communication Interface: RS485, RS232, CAN
- Nominal Capacity (kwh): 30-50kwh
- Chemistry: Lifepo4
- Highlight: **Industrial Lifepo4 Rackmount Lithium Battery, 30kwh-50kwh Rackmount Lithium Battery, High Voltage Rackmount Lithium Battery**

for more products please visit us on [esslithiumbattery.com](http://esslithiumbattery.com)

## Product Description

### High Voltag Lifepo4 Rackmount Lithium Battery 30kwh-50kwh Energy Storage System For Industrial Applications

**Capacity Range:** These systems are typically available with capacities ranging from 30 kWh to 50 kWh, allowing scalability to meet varied energy storage requirements.

**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 (LiFePO<sub>4</sub>), 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.

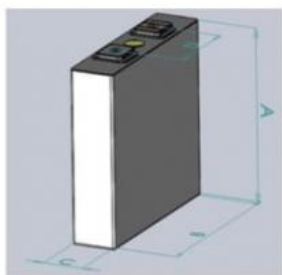
#### Use Cases:

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

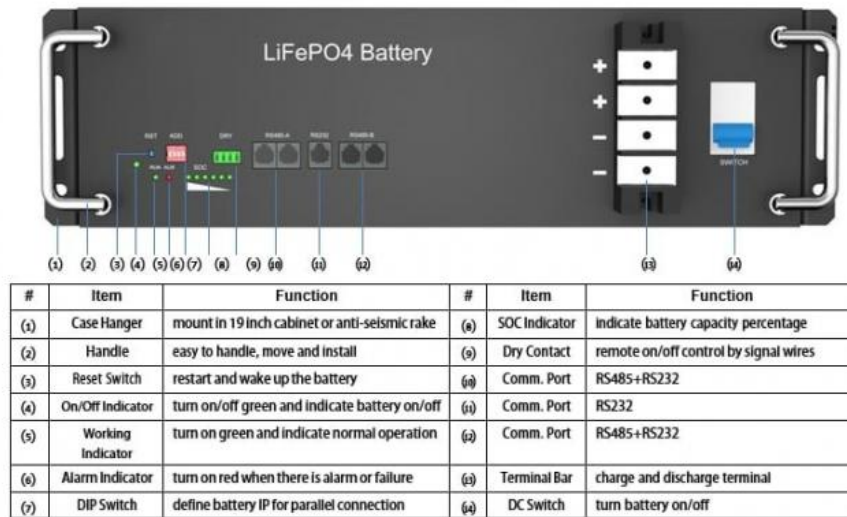
Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal voltage	51.2V		
Nominal capacity (kwh)	2.56	5.12	10.24
Cell type	LiFePO <sub>4</sub>		
Standard charge voltage	54.6V(adjustable)		
Max charge current	50A		
Discharge cut-off voltage	42.5V(adjustable)		
Max discharge current	50A		
Display	LCD(Optional)		
Communication 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

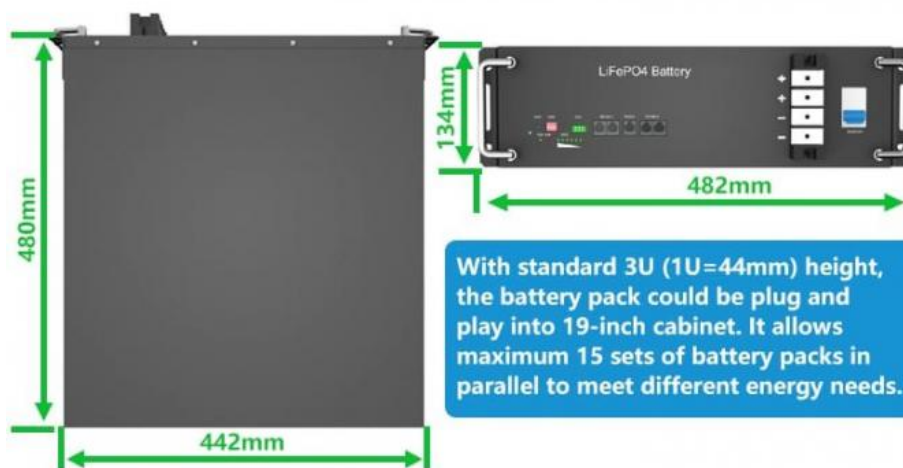


#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

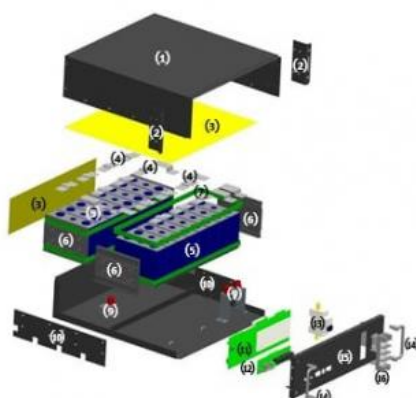
#### Operation Pannel of Rackmount Lithium Battery



### 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?

- 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



**XWELL** GUANGDONG XWELL TECHNOLOGY CO., LTD.



+86 18620492985



[sales@esslithiumbattery.com](mailto:sales@esslithiumbattery.com)



[esslithiumbattery.com](http://esslithiumbattery.com)

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