



ESS Lithium Battery For Solar Energy Storage System Inverter 5KWh 10KWh With 5KW Peak Power

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

- Standard Voltage: 48V
- Standard Capacity: 200Ah
- Nominal Energy: 5.12kwh 10.24kwh
- Cell Type: 5kw、10kw
- Discharge Current: 50A
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 42.5V
- Communication Interface: RS485, RS232, CAN
- Cycle Life: >6000 Cycles(80%DOD)
- Highlight: **5KWh ESS Lithium Battery ,
10KWh ESS Lithium Battery ,
5KW Peak Power ESS Lithium Battery**

Product Description

Rackmounted Lithium LFP Battery 2KWH 5KWH 10KWH Solar ESS For Commercial Industrial Use

Rackmount Lithium Battery Structure and Characteristics

Rackmount lithium batteries are a type of energy storage solution that is designed to be mounted on standard equipment racks.

They offer several advantages over traditional lead-acid batteries, including higher energy density, longer lifespan, and faster charging capabilities.

Characteristics:

1,Energy Density: Rackmount lithium batteries have a high energy density, which means they can store a significant amount of energy in a relatively small and lightweight package. This is advantageous in applications where space is limited or weight restrictions are a concern.

2,Long Lifespan: Lithium-ion batteries used in rackmount applications typically have a longer lifespan compared to traditional lead-acid batteries. They can withstand a higher number of charge/discharge cycles without significant capacity degradation, resulting in a longer operational life.

3,Fast Charging: Rackmount lithium batteries have a fast charging capability, allowing them to recharge quickly compared to lead-acid batteries. This reduces downtime and increases the availability of stored energy.

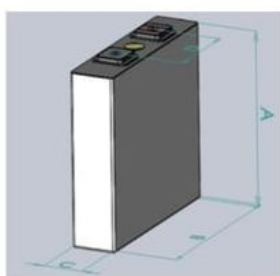
4,High Efficiency: Lithium-ion batteries have high charge and discharge efficiency, which means they can effectively convert and store electrical energy. This results in reduced energy losses and higher overall system efficiency.

5,Lightweight and Compact: Rackmount lithium batteries are lightweight and compact compared to lead-acid batteries with similar energy storage capacity. This makes them easier to handle, transport, and install.

Rackmount Lithium Battery Specification

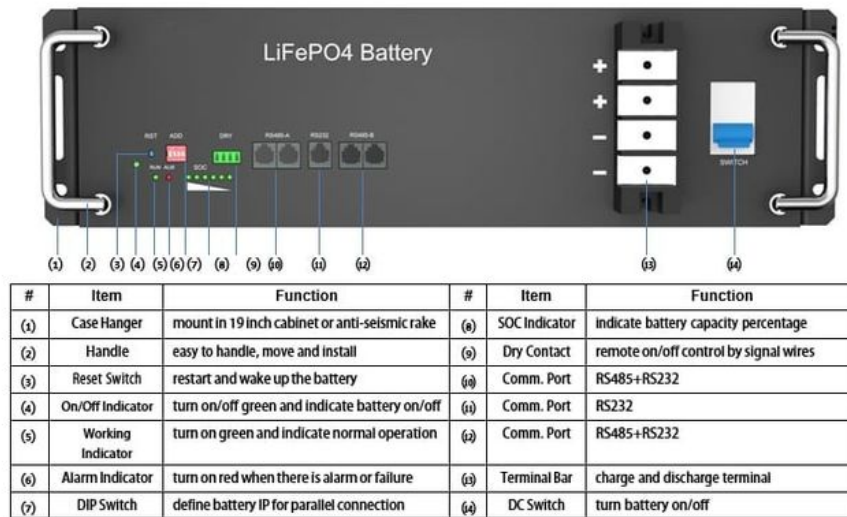
Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal voltage	51.2V		
Nominal capacity (kwh)	2.56	5.12	10.24
Cell type	LiFePO4		
Standard charge voltage	54.6V(adjustable)		
Max charge current	50A		
Discharge cut-off voltage	42.5V(adjustable)		
Max discharge current	50A		
Display	LCD(Optional)		
Communication 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

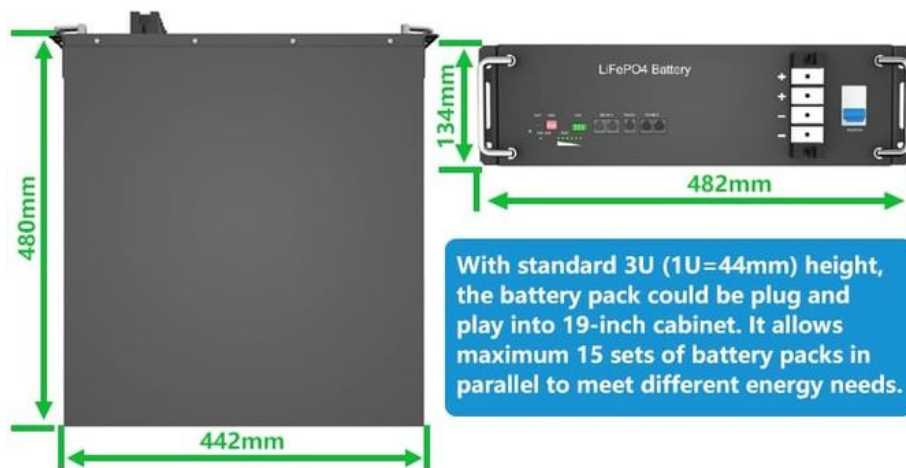


#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤ 50 mm
D	Tabs Distance	97±0.5 mm

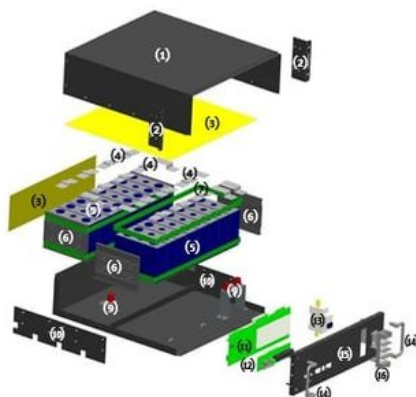
Operation Pannel of Rackmount Lithium Battery



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?

We production of battery products are widely used in communications, power, financial systems, uninterruptible power supply systems (UPS), power plant and substation switch control, solar panels, controllers inverter etc solar systems, emergency lighting, alarm systems, cars, ships, motorcycles, electric bicycles and other industries. Sales network covers all provinces, municipalities, autonomous regions and established offices in various places and after-sales service center.

Our team with Yuasa ,BYD battery senior consultant,High quality technical management team, advanced production and testing equipment to ensure the quality of the battery is reliable.



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