



OEM 2kwh 10kwh Rackmount Lithium Battery Rack-Mounted Home Energy Storage Battery

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-2560W-1
- Minimum Order Quantity: 1 pcs
- 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: 51.2V
- Capacity: 2.56kwh 5.12kwh 10.24kwh
- Communication Interface: RS485, RS232, CAN
- Energy: 2.56kwh
- Cell Model: LiFePO4 Prismatic
- Cycle Life: >6000 Cycles(80%DOD)
- Discharge Current: 50A
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 51.2V
- Highlight: OEM Rackmount Lithium Battery, Home Energy Storage Rackmount Lithium Battery, 10kwh Rackmount Lithium Battery

Product Description

OEM 2kwh 10kwh Rackmount Lithium Battery Rack-Mounted Home Energy Storage Battery

Rack-mounted energy storage (Home/Industrial)

The Rack-Mounted Battery Series features a modular design that allows for flexible combinations of battery capacity. The series offers battery capacities of 2.5kWh, 5kWh and 10kWh to meet different energy needs. The series features A-grade lithium iron phosphate cells with a cycle life of over 3000 times, built-in BMS for safety protection, and supports RS485/RS232/CAN communication protocols. The series is also compatible with various energy storage inverters on the market, providing stable energy storage and output.

Good Quality -- ISO9001:2019 Standard

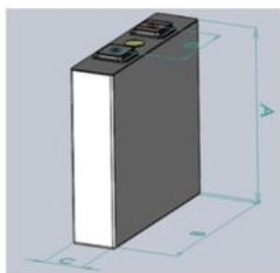
37 production processes and 7 steps quality check to promise stable quality for you. Xwell has very strictly quality control system including incoming materials control, in-process quality control and outgoing quality control.

We do 100% full quality check and aging test to ensure product quality.

Rackmount Lithium Battery Specification

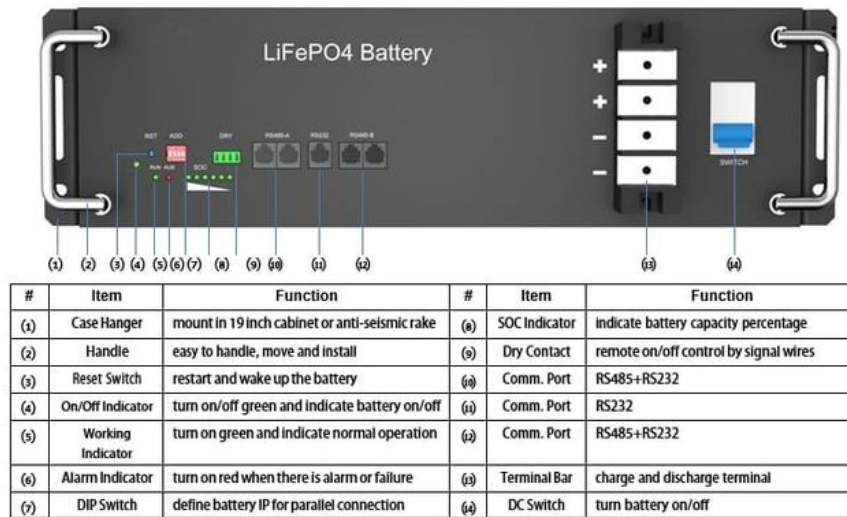
Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal voltage	51.2V		
Nominal capacity (kwh)	2.56	5.12	10.24
Cell type	LiFePO4		
Standard charge voltage	54.6V(adjustable)		
Max charge current	50A		
Discharge cut-off voltage	42.5V(adjustable)		
Max discharge current	50A		
Display	LCD(Optional)		
Communication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

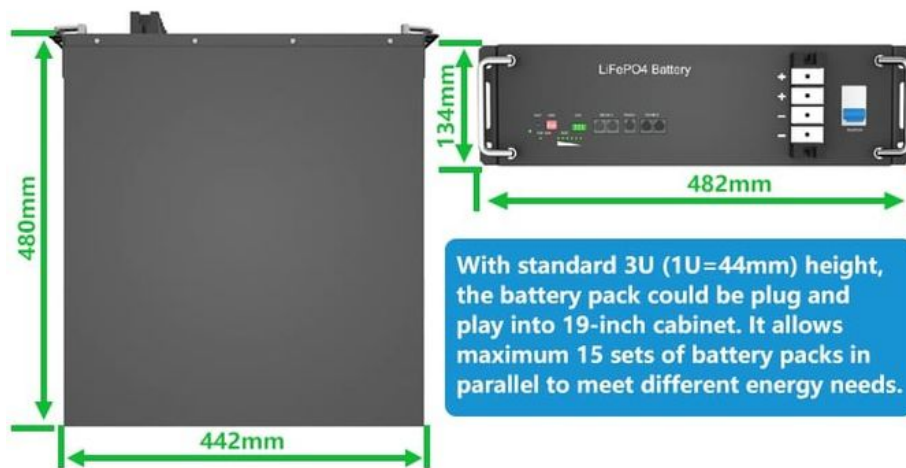


#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

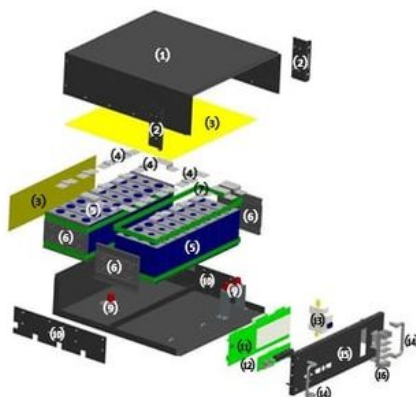
Operation Panel of Rackmount Lithium Battery



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

Features

High Energy Density: Having excellent energy density means that it can store more power under the same volume and weight to meet long time and high intensity power demand. Features

Long cycle life: After careful design and optimization, this product has a charge/discharge cycle life of up to thousands of times, which greatly reduces the frequency of battery replacement and maintenance costs.

Fast charging: Supporting fast charging technology, the battery can be fully charged in a short time, which greatly improves the usage efficiency.

Safe and stable: Built-in multiple safety protection measures, including overcharging, over-discharging, overheating, short-circuit and other protection mechanisms, to ensure the safety of the use process.

Environmental protection and energy saving: Made of environmentally friendly materials, it is pollution-free, while the high efficiency of energy utilization also helps to reduce energy waste, in line with the concept of green development.



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