



## 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**

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## 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

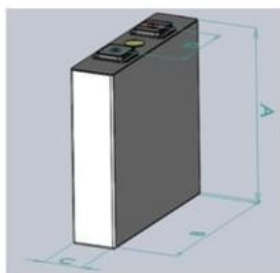
37 production processes and 7 steps quality check to promise stable quality for you. Xwell has very strictly quality control system including incoming materials control, in-process quality control and outgoing quality control.

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 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

### 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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