

# 2.56kwh 5.12kwh 10.24kwh 200a Rack-mounted Home Energy Storage battery Rackmount Lithium Battery

#### **Basic Information**

Place of Origin: ChinaBrand 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 pcsPackaging 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 10.24kwhCommunication Interface: RS485, RS232, CAN

• Energy: 2.56kwh

Cell Model: LiFePO4 PrismaticCycle Life: >6000 Cycles(80%DOD)

Discharge Current: 50A
Max Charge Current: 50A
Discharge Cut-off Voltage: 51.2V

• Highlight: 2.56kwh Rackmount Lithium Battery,

5.12kwh Rackmount Lithium Battery, 10.24kwh Rackmount Lithium Battery

#### **Product Description**

## 2.56kwh 5.12kwh 10.24kwh 200a Rack-mounted Home Energy Storage battery Rackmount Lithium Battery

#### Rack-mounted energy storage (Home/Industrial)

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.

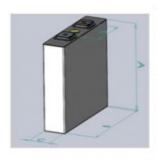
#### Good Quality -- ISO9001:2019 Standard

37 production processes and 7 steps quality check to promise stable quality for you. Xwell has very strictly quality control system includind 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	-20~60°C		
range			
Color	Black		
Dimension (man)	442x410x133	442x410x177	550x442x220
Dimension (mm)	3U	4U	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
С	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

#### **Operation Pannel of Rackmount Lithium Battery**

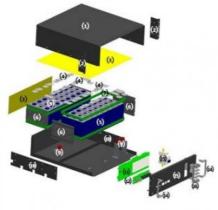


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)	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 Shell
(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
(13)	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** 

#### FAQ

1. Is the battery used in the battery pack grade A? Yes, we only use Grade A and Brand new cells inside.

2.Do you test and match the battery before installing the battery pack? Yes, every cell will be tested capacity, IR, voltage to surely match Voltage: The deviation less than 0.01V Resistance:The deviation less than  $0.1 m\Omega$ Capacity: Same capacity matched

#### 3. How do I store my batteries?

When the product is not in use for a long time, it should be stored in a dry, clean and well-ventilated warehouse at 10°C 35°C, avoiding inflammable and explosive materials; the battery pack should be charged and maintained regularly every three months to ensure that the battery best performance state.

4. What is the cycle life of the battery? 6000 cycle life @ 80% DOD

5. What's the warranty of your 48V/51.2V battery pack?

5 years warranty, if there is broken item under quality problem within warranty time, we will offer free replacements or refund, up to your needs

6.Do your batteries support series or parallel connection? Our 48V battery packs support up to 15pcs in parallel, if you need series connection, please contact our sales staff



XWELL GUANGDONG XWELL TECHNOLOGY CO., LTD.







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