51.2V 100ah Lithium Battery Pack Residential Rack Mounted Solar Lifepo4 Battery 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-5120W-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

- Operating Voltage: 48~57.6V
- Weight: 40Kg
- Pack Capacity: 50Ah 100Ah 200Ah
- Pack Energy: 2.56Kwh 5.12Kwh 10.24Kwh (Optional)
- Discharge Current: 50A
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 42.5V
- Display: LCD Optional
- Communication Interface: RS485, RS232, CAN
- Cycle Life: >6000 Cycles(80%DOD)
- Highlight: **51.2V 100ah Lithium Battery Pack**, **Residential Rack Mounted Lithium Battery Pack**, **Solar Lifepo4 Battery Storage System**

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Product Description

51.2V 100ah Lithium Battery Pack Residential Rack Mounted Solar Lifepo4 Battery Storage System

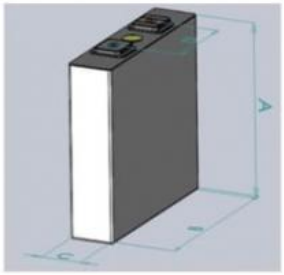
Coverage of application

- **Standers 2U Size with clean and User friendly front panel**
- **Multiple Options: Stack mount, Vertical mount, Wall-mount, Rackmount**
- **Auto ID,Automatically assign any host,Smart parallel technology compatible with**
- **Smart Temperature Control,batteries with dierent SOC and voltages**
- **High energy density and efficiency**
- **Flexible capacity options, 5.12kWh-82 kWh**
- **Efficiency with up to 90% usable energy,IP20 Protection Rating**
- **Modular designer, natural cooling, indoor use**
- **Compact size and easy installation**

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

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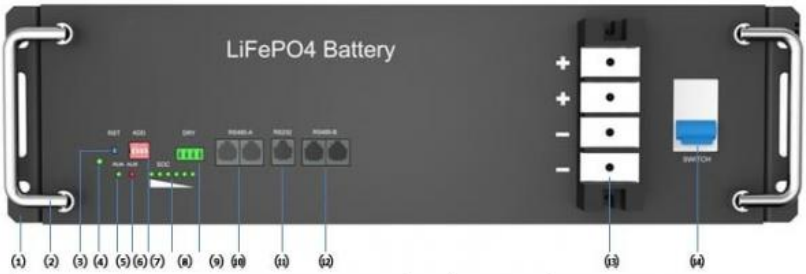
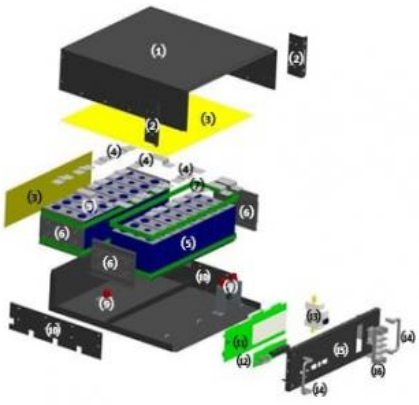


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)	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	(14)	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
(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

What We Offer?

Supply chain solution, strict quality control, real-time response
OEM/ODM Manufacturer, custom sizes and shapes available on request
Suggestion of new design or material, new technology and cost structure
Engineers team at your service
Flexible small orders are acceptable
One-stop supply to eliminating messy links

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