



Solar System LiFePO4 Rack Mounted Lithium Battery 51.2V 100ah

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

- Battery Voltage: 51.2V (Optional)
- Battery Capacity: 50Ah 100Ah 200Ah (Optional)
- Battery Energy: 2.56Kwh 5.12Kwh 10.24Kwh (Optional)
- Battery Type: LiFePO4 Battery
- 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: **Solar Rack Mounted Lithium Battery,
LiFePO4 Rack Mounted Lithium Battery,
100ah rackmount lifepo4 battery**

Product Description

51.2V 100ah Solar System LiFePO4 Battery Rack Mounted Lithium Battery LiFePO Battery Solutions

Xwell Solar Battery Key Feature:

1. Home Energy Storage System
2. Safety Certification:Ce, Un38.3 etc.
3. 2U Design
4. 16 Sets Batteries Can Be Connected In Parallel To Enlarge Capacity
5. Advanced BMS Multiple Protection
6. 51.2v Low-Voltage (Avaliable For 48v System)
7. Long Cycle Life : >6000 times
8. 5 Years Warranty
9. 7 * 24 Hours Engineer Online Support

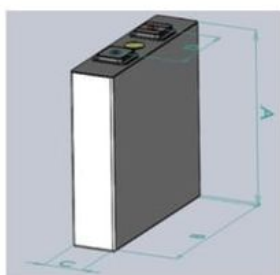
Cautions

1. Do NOT short circuit, reverse polarity, crush or disassemble.
2. Do NOT heat or incinerate.
3. Do NOT immerse in any liquid.
4. Store at 30~50% SOC.Recharging every 3 months isrecommended. The storage area should be clean, cool, dry and ventilated.

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

About XWELL

Xwell was established in 2014, with the headquarter in Guangzhou, which is a professional Hi-tech enterprise specializes in the research, development and manufacturing of Uninterruptible Power Supply(UPS), power inverter, solar power inverter.



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