



Solar Rackmount Lithium Battery 2.56Kwh 51.2V 50Ah With LiFePO4 Prismatic Cell

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

- Voltage: 51.2V
- Capacity: 2.56kwh
- Cell: LiFePO4 Prismatic
- Discharge Current: 50A
- Standard Charge Voltage: 54.6V
- 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: **Rackmount Lithium Battery 2.56Kwh,**
Rackmount Lithium Battery 51.2V

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Product Description

2.56Kwh 51.2V 50Ah Sacolar LFP Cells Rackmount Solar Battery Pack Lithium Battery For Solar ESS Lithium Battery

Description of ESS Lithium Battery

Intelligent anti-theft solution achieved via software lock, buzzer alarm, gyroscope and GPS, the last two of which are optional. Operating temperature ranges from -20 to 55. In cold area with temperature less than 0, the battery supports low temperature heating (optional). Expandability: a maximum of 16 batteries can be parallel-connected. Compact Design: 19 inch rack, 3.0U height volume energy density((VED)2160 Wh/L. Safety performance: state-of-the-art LFP cell and reliable BMS design.

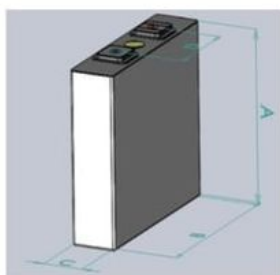
Features of ESS Lithium Battery

1. Reliable Automotive Grade lithium iron Phosphate Battery, Higher energy density, stable performance & greater power
2. Long Cycle Life, 6000-8000 times, 10-15YRS service time
3. Low Resistance & High Current, Low self-discharge rate & Efficient charging
4. Match Multiple Brands Inverter, Simultaneous communication & docking with multiple brands inverter
5. Intelligent BMS Battery Protection, Effectively avoiding overcharge, Overdischarge, Overcurrent, Short-circuit
6. Good Safety Performance, 100% safe, Extreme safety test

Industrial And Commercial Energy Storage System 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 ESS 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 ESS Lithium Battery



Size of ESS Lithium Battery



Structure of ESS 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 ESS Lithium Battery

Application Scenario



Data Center



C&I Park



Telecom Base



Medical Equipment

Our services

1. Your inquiry related to our products price will be replied in 24 hours.
2. Experienced staffs to answer all your enquiries in fluent English
3. We make the OEM and ODM service for more than 5 years
4. Protection of your sales area, ideas of design and all your private information.
5. No matter big order or small order, we will provide all the best quality, best service.
6. If our products have any problem that we caused, they will be sent free in the next order.



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