



Industrial ESS Lithium Battery , 5.12Kwh 51.2V 100Ah Rackmount Lifepo4 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

Working Voltage: 51.2VCapacity: 5.12kwh

Cell: Prismatic Cell LiFePO4

Max Working Current: 50A
Standard Charge Voltage: 54.6V
Max Charge Current: 50A
Discharge Cut-off Voltage: 42.5V
Display: LCD Optional
Communication Interface: RS485, RS23

Communication Interface: RS485, RS232, CAN
 Cycle Life: >6000 Cycles(80%DOD)
 Highlight: ESS Lithium Battery 5.12Kwh, ESS Lithium Battery 51.2V, 100Ah Rackmount Lifepo4 Battery

Product Description

5.12Kwh 51.2V 100Ah Cabinet Energy Storage Solar Telecom Lifepo4 Server Rack ESS Lithium Battery Rackmount Lifepo4

6 REASONS TO CHOOSE US

- 1. Long life 5000-6000 cycles
- 2. Safety, Environment Friendly, Pollution-free
- 3. Over discharge protection
- 4. Built in BMS battery protection & smarter
- 5. Fast charging Low self-discharge
- 6. 100% Depth of Discharge(DOD)

Features of ESS Lithium Battery

- 1. Digital Monitor System App
- 2. High Inverter Compacity
- 3. Reliable LFP Cells
- 4. Can Bus Standard Connection
- 5. Natural Cooling System
- 6. Scale Up the Engery by Parallel or Series
- 7. 10 Years Limited Warranty

Application of ESS Lithium Battery

Forklift, communication base station, industrial energy storage, home energy storage, RV, Marine propeller, etc.

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
В	Width	160±1.0 mm
С	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

Operation Pannel of ESS Lithium Battery

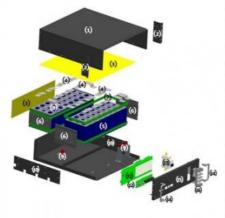


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(0)	Comm. 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 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
(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 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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