



2560Wh 51.2V DC Rack Mount Lifepo4 Battery For Industrial Commercial Energy Storage

Our Product Introduction

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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

- Nominal Voltage: 51.2V
- Nominal Capacity: 2.56kwh
- Cell Type: LiFePO4
- Standard Charge Voltage: 54.6V
- Max Charge Current: 50A
- Discharge Cut-off Voltage: 42.5V
- Max Discharge Current: 50A
- Display: LCD Optional
- Communication Interface: RS485, RS232, CAN
- Cycle Life: >6000 Cycles(80%DOD)
- Highlight: **51.2V Rack Mount Lifepo4 Battery, 2560Wh Rack Mount Lifepo4 Battery, Industrial rackmount lifepo4 battery**



More Images



Product Description

2560Wh 51.2V DC Industrial And Commercial Energy Storage System Rack Mounted LiFePO4 Battery

Industrial And Commercial Energy Storage System Description

Rack-Mounted Battery Series:

The Rack-Mounted Battery Series features a modular design that allows for flexible combinations of battery capacity. The series offers battery capacities of 2.5kWh, 5kWh and 10kWh to meet different energy needs. The series features Agrade 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.



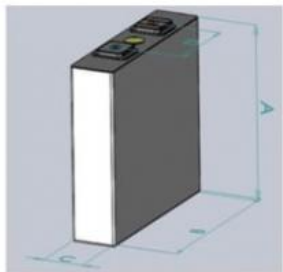
Industrial And Commercial Energy Storage System Specification

#	Items		Characteristics	Remark
1	Capacity	Normal Capacity	100Ah	5120Wh, 0.33C, 25
		Minimum	97%	0.5C, 25
2	Voltage	Nominal Voltage	51.2V	3.2V per cell
		Normal Charge Voltage	58.4V	3.65V per cell
		Float Charge (for Standby Use)	55.2V±0.5V	3.45V per cell
		End of Discharge	40V	2.5V per cell
3	Charge	Maximum Charge Current	100A	1C
		Suggested Charge Current	≤20A	0.2C
		Charging Current Limit	20A *	
4	Discharge	Maximum Discharge Current	100A	1C
		Suggested Discharge Current	≤20A	0.2C
		Inverter Connection	YES	capacitive load ≤ 27000μF
5	Indicator	SOC (state of charge)	Green LED x5	see Product External for details
		RUN	Green LED x1	
		ALARM	Red LED x1	
6	Environment	Operation Temperature	Charge 0 45 Discharge -10 65	
		Storage Temperature	-20 50	
		Relative Humidity	5% 95%	
		Altitude	3600m	
7	Communication	Port	RS232/RS485/CAN	RJ45 x2 & RJ11 x1
		Protocol	Modbus	customizable
		Dry Contact	Yes	customizable
		Dial Switch	4 bit binary	

8	General	Shell Material	Q235	SPCC
		Physical Protection Level	IP30	
		Dimensions	W330xH172xD214	±2mm
		Net Weight	45Kg	
* Remark: Charging Current Limit Triggering Conditions: 1) current ≥50A; 2) Ambient Temperature ≤10 ; 3) Ambient Temperature ≥45				

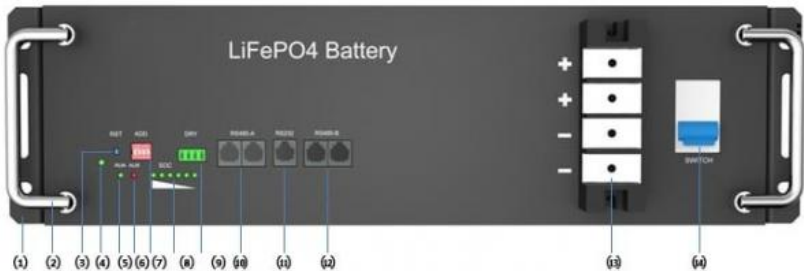
Industrial And Commercial

Energy Storage System Cell Specification



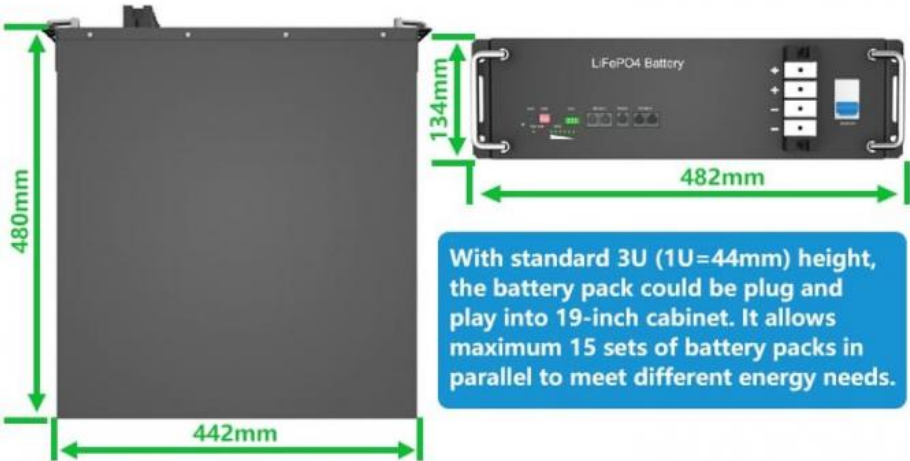
#	Item	Parameter
A	Height	119±1.0 mm
B	Width	160±1.0 mm
C	Thickness	≤50 mm
D	Tabs Distance	97±0.5 mm

Industrial And Commercial Energy Storage System Operation Pannel

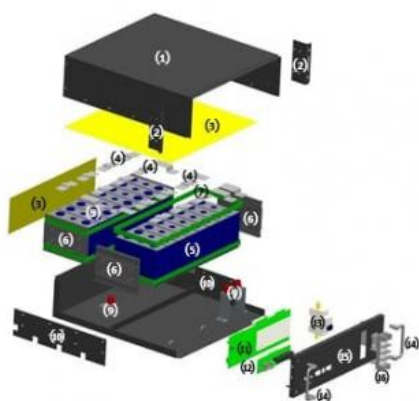


#	Item	Function	#	Item	Function
(1)	Case Hanger	mount in 19 inch cabinet or anti-seismic rake	(8)	SOC Indicator	indicate battery capacity percentage
(2)	Handle	easy to handle, move and install	(9)	Dry Contact	remote on/off control by signal wires
(3)	Reset Switch	restart and wake up the battery	(10)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

Industrial And Commercial Energy Storage System Size



Industrial And Commercial Energy Storage System Structure



#	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 (+ & -)	/

Industrial And Commercial Energy Storage System Application

Application Scenario



Data Center



C&I Park



Telecom Base



Medical Equipment

FAQ

Q: What is your MOQ?

A: There is no MOQ and we also support a sample service.

Q: How about the payment terms?

A: T/T, Paypal, Wire Transfer and Online Transfer are all acceptable.

Q: Is the battery kit equipped with BMS?

A: Yes, our battery kit comes complete with the BMS and all the accessories needed to assemble the battery pack. Customers can assemble their own battery packs if they have enough batteries.

Q: What options are available for the BMS that comes with the battery kit?

A: 100A/150A/200A BMS are available for customers to choose.

Q: What are the advantages of your battery kits?

A: Our kits have the following advantages:

Stackable

External port can pass 250A current individually

The internal BMS is compatible with CAN and RS485 communication and can communicate with a wide range of inverters without complex commissioning

The PCB boards are soldered with the corresponding wires for the customer to assemble in order

The external LCD display shows the basic parameters

The side clamping plates apply pressure to the battery for better clamping

Equipped with a weak switch for greater safety

Complimentary 485 adapter cable for connection to the PC

Q: What is the shipping time limit for battery kit?

A: The transit time is approximately 35-38 business days.

Q: What should I do when I receive the battery kits?

A: First open the box when you sign for it to check that the contents have not been damaged in transit, and then double check that the battery kit is complete with all the accessories.

Q: Why has my logistics information not been updated?

A: The goods will be shipped by UPS or a local shipping company, but due to the tedious process of shipping across borders, the logistics information will not be updated for a while until the goods arrive in your country. It is only when the goods are picked up by the local carrier and ready for dispatch that the logistics status will be updated accordingly.

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
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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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