



Nominal Voltage ESS Lifepo4 Home Battery For Home Appliances

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
- 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

- Material System: Lithium Iron Phosphate
- Max Charge Current: 40A
- Maximum Discharging Current: 100A(2C)
- Operating Voltage Range: 2.5-3.65V
- Internal Impedance: $\leq 0.8\text{m}\Omega$
- Dimension: Width: $135\pm 1\text{mm}$
- Voltage: 40V
- Maximum Discharge Current: 50A
- Highlight: **ESS Lifepo4 Home Battery,
Nominal Voltage Lifepo4 Home Battery**

Product Description

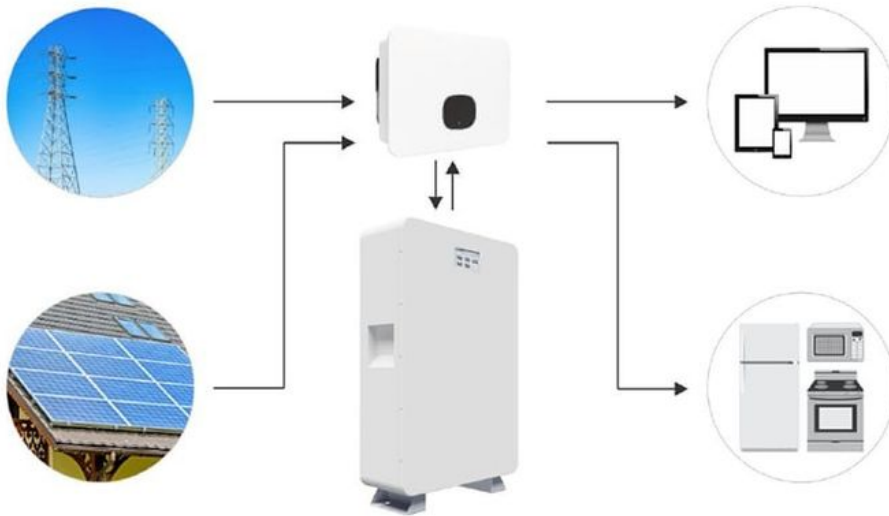
ESS Lithium Battery Nominal Voltage Home Appliances Home Energy Storage Lifepo4 Battery

Description

ESS lithium batteries are designed to store large amounts of electrical energy for long periods of time, and they are typically used in conjunction with renewable energy sources to provide backup power during times of low or no energy production. They can be configured in a variety of ways, including as standalone systems or as part of a larger grid-connected energy storage system.



Connection diagram



Home Energy Storage System Specification

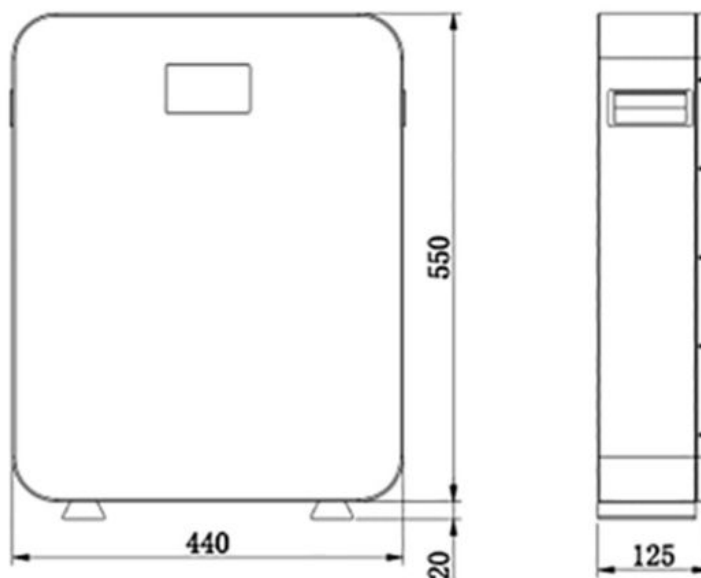
No.	Item	General Parameter	Remark
1	Material system	Lithium iron phosphate	/
2	Typical Capacity	50Ah	0.5C Standard discharge
3	Operating voltage range	2.5~3.65V	/
4	Nominal Voltage	3.2V	Mean Operation Voltage
5	Standard Charge Voltage	3.6V	By standard charge method
6	Internal Impedance	$\leq 0.8\text{m}\Omega$	1kHz 2%SOC
7	Dimension	Thickness: $\leq 37.5\text{mm}$	Initial Dimension
		Width: $135\pm 1\text{mm}$	
		Height: $192\pm 1\text{mm}$	
8	Weight	$\leq 2.03\text{ Kg}$	
9	Standard charge current	0.5C	0.5C constant current, 3.65V constant voltage charge to 3.65V, continue charging till current decline to $\leq 0.05\text{C}$
10	Maximum Charging Current	50 A	25 ± 2
11	Standard discharge Current	0.5C	25 ± 2
12	Maximum discharge current	50 A	25 ± 2
13	Maximum Discharging Current	100A(2C)	25 , 50%SOC, 30s

Home Energy Storage System
Operation Pannel



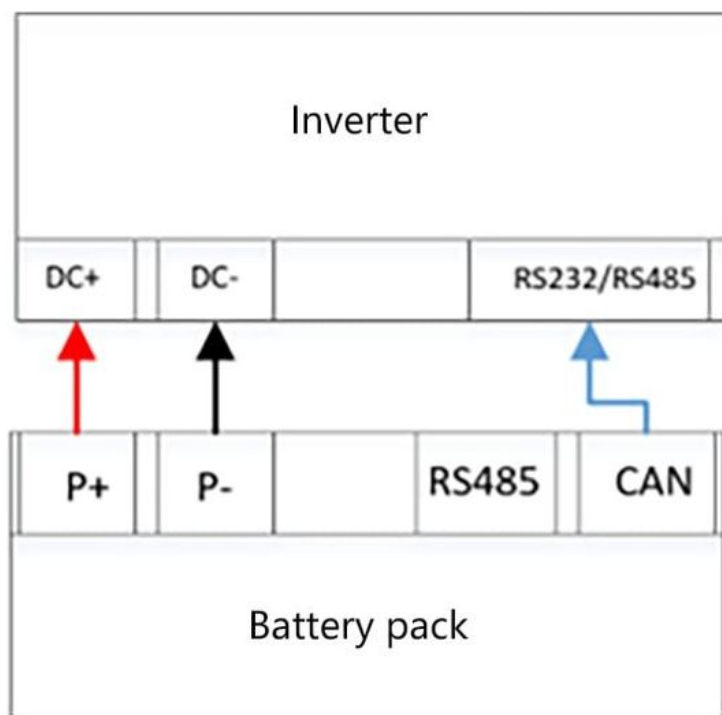
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switchs for address

Home Energy Storage System Size



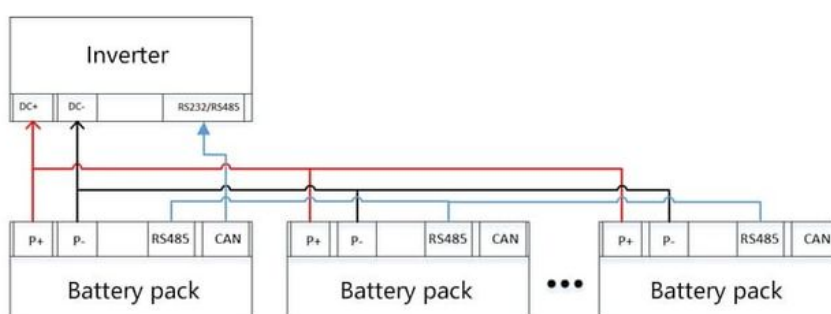
Home Energy Storage System Single Battery Pack Wiring Diagram

Single battery pack wiring diagram



Home Energy Storage System Parallels Connection Wiring Diagram

Parallel connection wiring diagram of multiple battery packs



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.

feature

1. Carefully selected 16pcs battery cells the smaller the voltage difference between the individual cells the higher the utilization rate of the battery, the longer life.

2. 100% Full Capacity

3. Monitor the voltage and current of the BMS, and clearly see the battery cycle times.



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