



## High Voltage Solar ESS Lithium Ion Battery 25.6Kwh 30.72Kwh 48V

### 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

- Demension: Hight: 192±1mm
- Internal Impedance: ≤0.8mΩ
- Operating Voltage Range: 2.5-3.65V
- Maximum Discharging Current: 100A (2C)
- Dimension: Width: 135±1mm
- Voltage: 40V
- Nominal Voltage: 3.2V
- Weight: ≤2.03 Kg
- Highlight: **ESS Lithium Ion Battery 25.6Kwh,  
ESS Lithium Ion Battery 30.72Kwh**



## Product Description

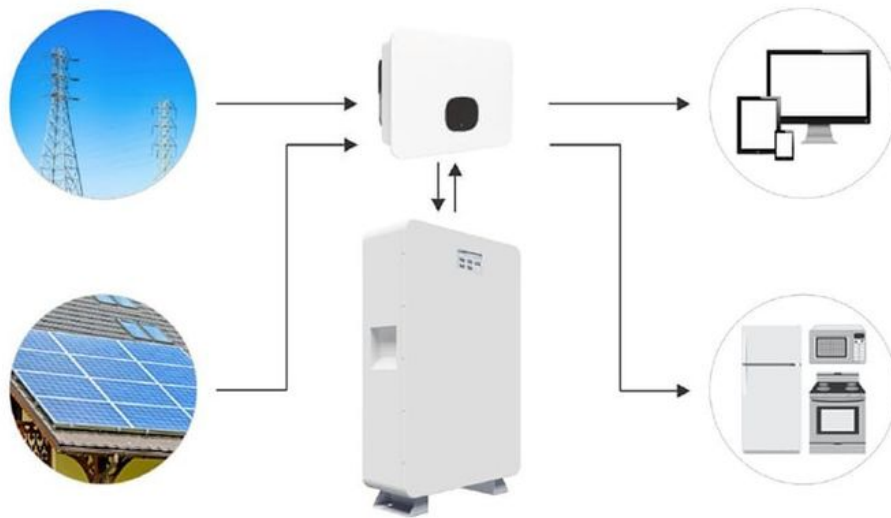
### ESS Lithium Battery Nominal Capacity 5.12 10.24 15.36 20.48 25.6 30.72Kwh 48V Tacked High Voltage Solar Cabinet Home

#### Description

ESS lithium batteries are similar to the lithium-ion batteries used in many consumer electronics, but they are designed to handle higher capacities and power output. They are typically composed of multiple battery cells that are interconnected in series and parallel to achieve the desired voltage and capacity.



## Connection diagram



**Home Energy Storage System Specification**

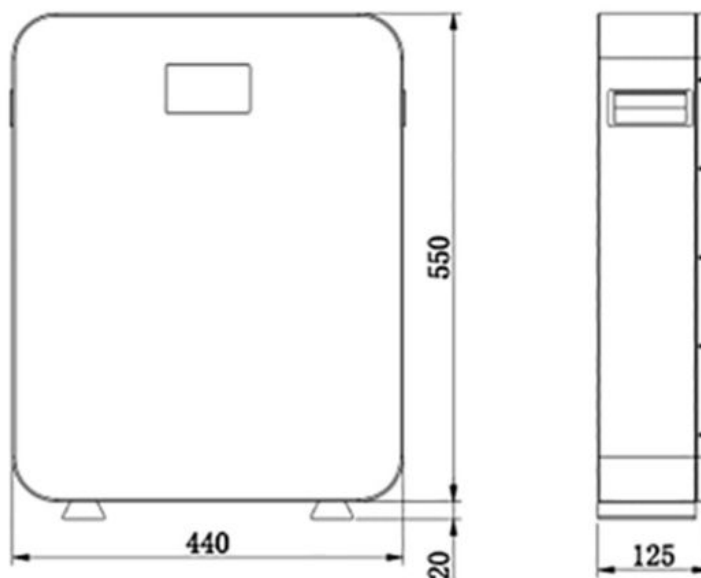
No.	Item	General Parameter	Remark
1	Material system	Lithium iron phosphate	/
2	Typical Capacity	50Ah	0.5C Standard discharge
3	Operating voltage range	2.5~3.65V	/
4	Nominal Voltage	3.2V	Mean Operation Voltage
5	Standard Charge Voltage	3.6V	By standard charge method
6	Internal Impedance	$\leq 0.8\text{m}\Omega$	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	$25\pm 2$
11	Standard discharge Current	0.5C	$25\pm 2$
12	Maximum discharge current	50 A	$25\pm 2$
13	Maximum Discharging Current	100A(2C)	25 , 50%SOC, 30s

**Home Energy Storage System  
Operation Pannel**



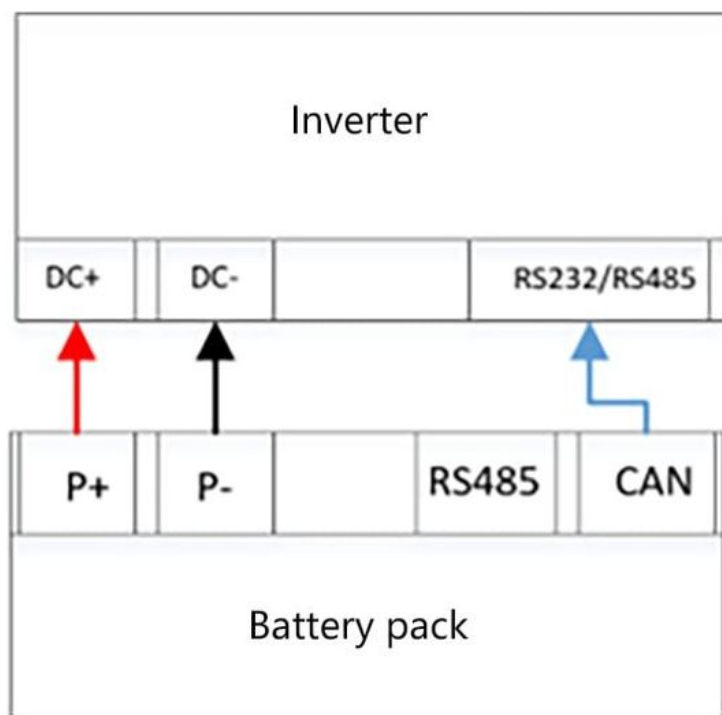
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switches for address

#### Home Energy Storage System Size



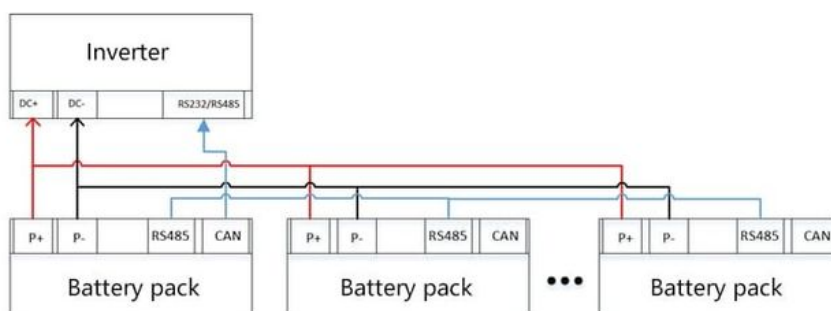
#### Home Energy Storage System Single Battery Pack Wiring Diagram

## 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.Low maintenance: ESS lithium batteries require very little maintenance, making them a hassle-free solution for energy storage. Unlike other types of batteries, they do not need to be watered or have their electrolyte levels checked.

2.High power output: ESS lithium batteries can deliver high power output, making them suitable for applications where a lot of energy is needed quickly, such as in electric vehicles or backup power systems.

3.Scalable: ESS lithium batteries can be easily scaled up or down to meet the specific energy storage needs of a given application. This makes them a flexible solution for a wide range of applications, from small residential systems to large-scale commercial and industrial installations.

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