



## ESS 2.56KWH 5.12KWH 10.24KWH Lithium Ion LiFePO4 Battery Solar Energy Storage System

### 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-5120W
- 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

- Standard Charge Voltage: 3.6 Volts
- Internal Impedance:  $\leq 0.8$  Milliohms
- Standard Voltage: 3.2V
- Size: Width:  $135 \pm 1$  mm
- Voltage: 40V
- Maximum Discharge Current: 50A
- Max Charge Current: 40A
- Max Discharge Current: 50A
- Highlight: **5.12KWH ESS Lithium Battery, 10.24KWH ESS Lithium Battery, 2.56KWH ESS Lithium Battery**

## Product Description

### ESS 2.56KWH 5.12KWH 10.24KWH Lithium Ion LiFePO4 Battery Solar Energy Storage System

#### Description

Battery Energy Storage System (BESS) is a system that uses lithium battery/lead battery as an energy storage carrier to store electric energy and supply electric energy within a certain period of time, and the electric energy provided has the functions of smooth transition, peak shaving and valley filling, frequency modulation and voltage regulation.

#### Feature

1. A-Grade Cells, High safety, long cycle life, and environmental friendly.
2. User-friendly, Easy to use with touch screen.
3. Deep customization, Can be tailored to specific needs with easy expansion and customization.
4. Parallel operation, Multiple batteries can be connected in parallel.

#### Home Energy Storage System Specification

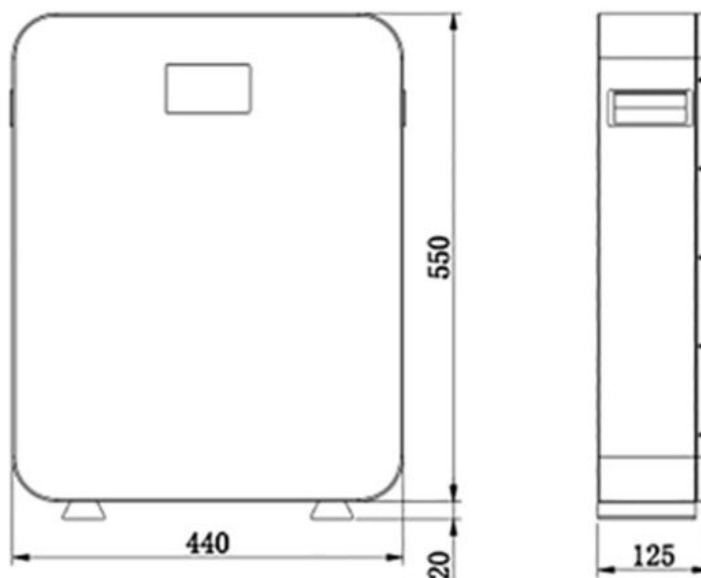
No.	Item	General Parameter	Remark
1	Material system	Lithium iron phosphate	/
2	Typical Capacity	50Ah	0.5C Standard discharge
3	Operating voltage range	2.5~3.65V	/
4	Nominal Voltage	3.2V	Mean Operation Voltage
5	Standard Charge Voltage	3.6V	By standard charge method
6	Internal Impedance	≤0.8mΩ	1kHz 2%SOC
7	Dimension	Thickness: ≤37.5mm	Initial Dimension
		Width:135±1mm	
		Hight:192±1mm	
8	Weight	≤2.03 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 ≤0.05C
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



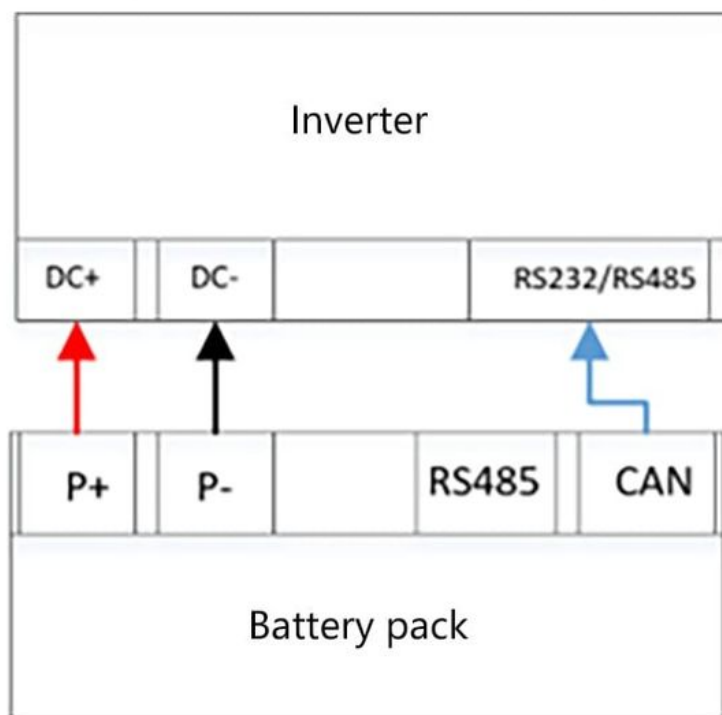
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switchs for address

#### Home Energy Storage System Size



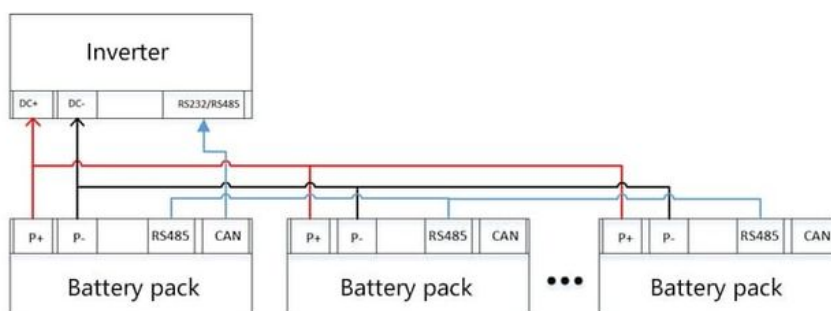
#### Home Energy Storage System Single Battery Pack Wiring Diagram

## 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 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.

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