



## 2.56kwh Wall Mounted Lithium Iron Phosphate Battery Storage For Home Solar 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-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

- Model: 51.2V50Ah
- Nominal Capacity: 2.56kwh
- Nominal Voltage: 51.2V
- Battery Type: LiFePO4 Cell
- Communication Interface: RS485, RS232, CAN
- Internal Impedance:  $\leq 0.8m\Omega$
- Standard Charge Voltage: 58.4V
- Max Charge Current: 40A
- Parallels Function: Support 8 Units In Parallels
- Discharge Cut-off Voltage: 40V
- Highlight: **2.56kwh Lithium Iron Phosphate Battery Storage , Home Lithium Iron Phosphate Battery Storage**

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## Product Description

### 2.56kwh Wall Mounted Lithium Iron Phosphate Residential Battery Storage System For Home Solar System

#### Description of Residential Battery Storage System

1. Safe and reliable: Lithium iron phosphate batteries are highly safe, have a service life of up to ten years, and have high power efficiency.
2. Environmentally friendly: Wall - mounted and landing installation is convenient, the product module is safe and pollution-free.
3. Technology Core: Equipped with high-quality battery cell; The high-end BMS control system provides the best service for system operation and grid response; Equipped with first-class design, bring stable and reliable operation to the equipment

#### Features of Residential Battery Storage System

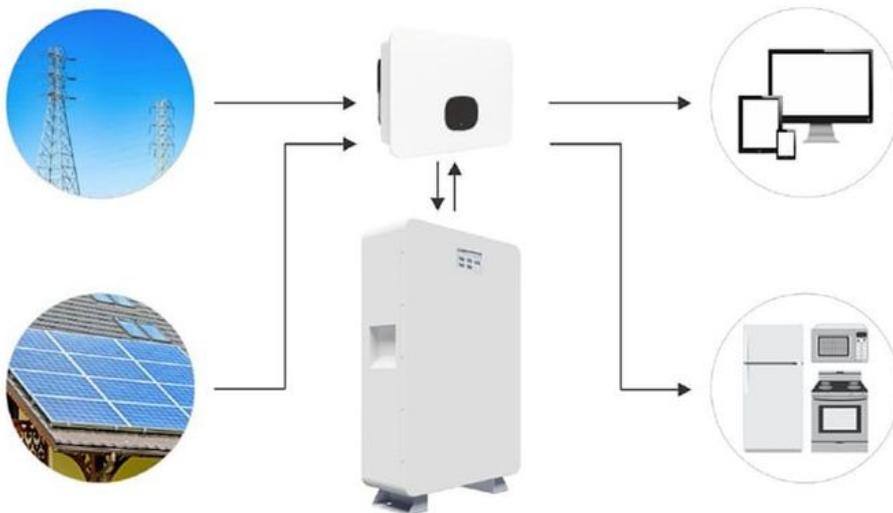
1. The case surface should be clean without obvious deformation and no mechanical damage
2. Aluminum case is sandblasted and anodized
3. Interface contact no rust, screws correct fixed with no loose, and case bottom surface is flat;
4. The case color requires uniform color with no glitch
5. The connection between each part of the case should be installed tightly, gap in between of each part should not be more than 2mm
6. The inner wiring layout should be neat and orderly

#### Specification of Residential Battery Storage System

Model	51.2V50Ah	51.2V100Ah	51.2V200Ah
Nominal capacity (kwh)	2.56	5.12	10.24
Nominal voltage	51.2V		
Cell type	LiFePO4		
Standard charge voltage	58.4V (adjustable)		
Max discharge current	40A	80A	120A
Discharge cut-of voltage	40V (adjustable)		
Max discharge current	50A	100A	200A
Parallels Function	Support 8 units in parallels		
Communication interface	RS485, RS232, CAN		
Cycle life	>6000 Cycles(80%DOD)		
Charge temperature range	0~65°C		
Discharge temperature range	-20~65°C		
Color	white		
Dimension(mm)	550x440x125	600x510x173	800x710x273
Weight	29kg	47kg	80kg
Installation method	Wallmounted/Floor type		



## Connection diagram

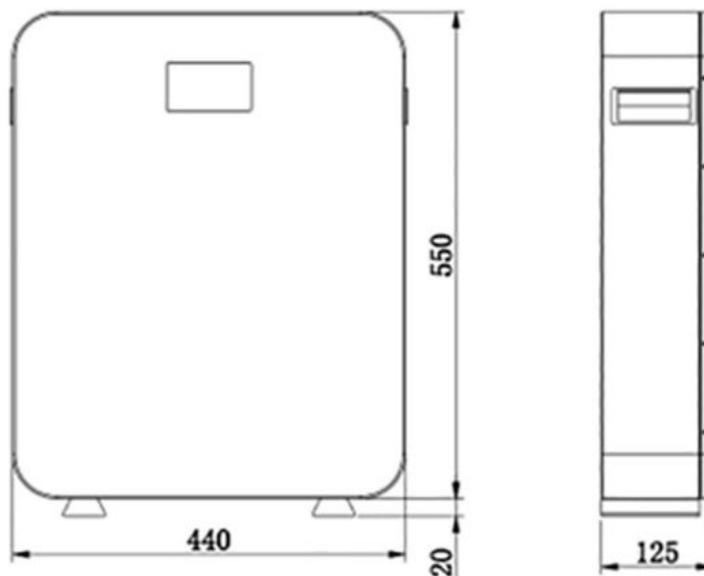


## Home Energy Storage System Operation Pannel



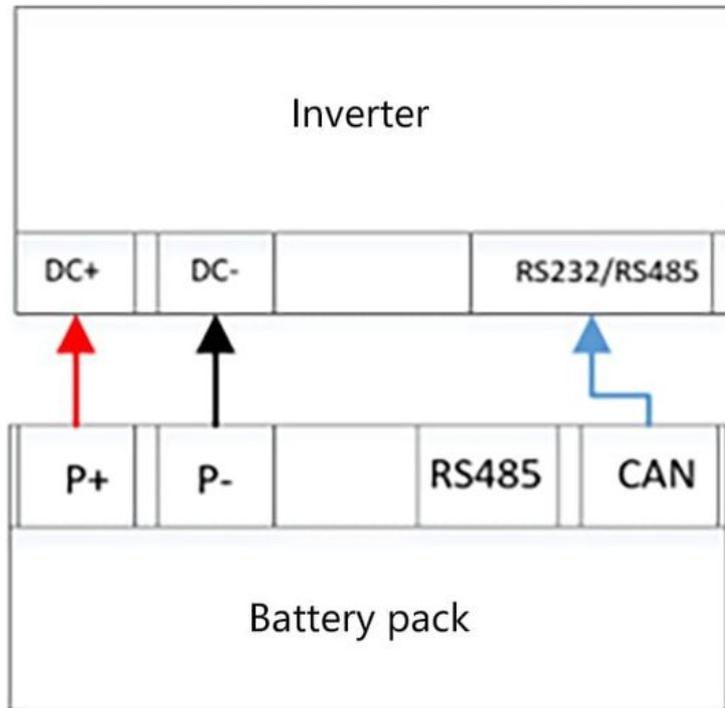
- 1 Output negative pole
- 2 Output positive pole
- 3 RS232 communication port (software update)
- 4 RS485/CAN communication port (communicate with inverter)
- 5 Switchs for address

## Home Energy Storage System Size



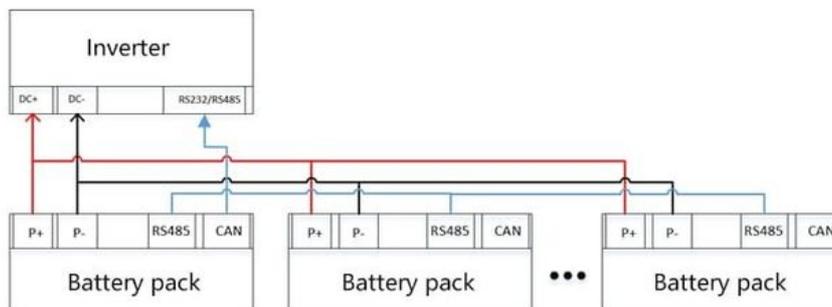
## Home Energy Storage System Single Battery Pack Wiring Diagram

## Single battery pack wiring diagram



## Home Energy Storage System Parallels Connection Wiring Diagram

### Parallel connection wiring diagram of multiple battery packs



## FAQ

1. Q: How can you guarantee quality?

A: We have a perfect pre-sales service and after-sales service system. We will start to track the whole process from the factory production, and there will be a service specialist to provide you with exclusive service, so as to ensure that there is no problem in the entire order process.

2. Q: Do you provide samples?

A: Yes, sample orders are welcomed.

3. Q: Do you provide OEM&ODM service?

A: Yes, we provide OEM&ODM service for most of our products. Please contact our sales manager for details.

4. Q: What can you buy from us?

A: Solar Panel, BIPV, Solar cleaning robot, Battery, Portable power supply, and other solar energy products. If you have any needs, you can contact our sales managers. We will find the best solution for you.

5. Q: Are the products in stock?

A: For most products, we have inventory and will arrange delivery in time. For large orders, we will calculate the delivery time accordingly and communicate with you.

**XWELL** GUANGDONG XWELL TECHNOLOGY CO., LTD.

 +86 18620492985

 [sales@esslithiumbattery.com](mailto:sales@esslithiumbattery.com)

 [esslithiumbattery.com](http://esslithiumbattery.com)

Room 322, Building 3, No. 801, Qiaoxing Avenue, Xiaoluo Village, Shatou Street, Panyu District, Guangzhou, China