



## 2.56kwh Wall Mounted Lifepo4 Battery 51.2V 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

- Number: 51.2V50Ah
- Capacity: 2.56kwh
- Voltage: 51.2V
- Battery Model: LiFePO4 Battery
- 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 Wall Mounted Lifepo4 Battery, 51.2V Wall Mounted Lifepo4 Battery, Home solar lifepo4 battery**

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## Product Description

### 2.56kwh Wall Mounted Charging Stations Powerwall 51.2V Power Wall Wall Mounted Lifepo4 Battery For Solar System

#### Description of Wall Mounted Lifepo4 Battery

This xwell battery use Smart and Reliable BMS, Features high and low voltage disconnect functions, avoiding the effects of common battery failures such as overcharge, over-discharge, overload, and short circuits on your device;  
Supports high-temperature charging or discharging cut-off;  
Balances each energy cell, ensuring xwell batteries perform better for longer.

#### Features of Wall Mounted Lifepo4 Battery

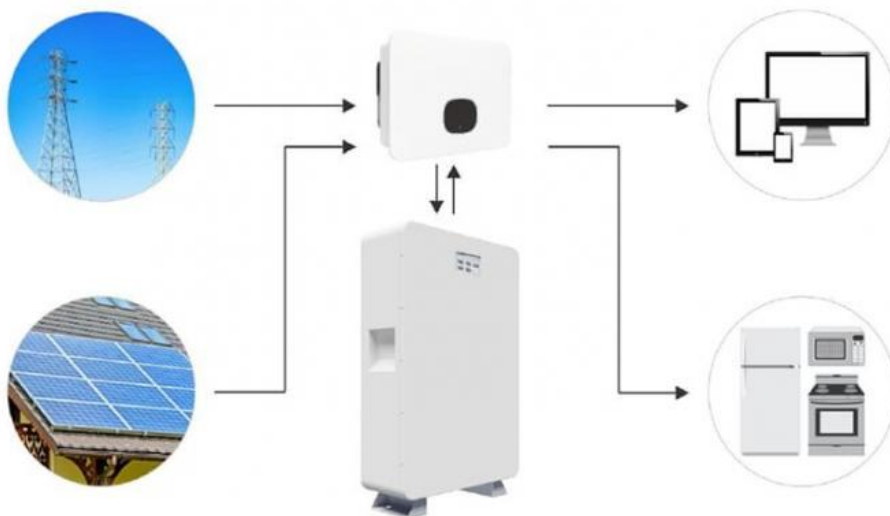
1. Safe LiFePO4 Battery Cells 3.2V 100Ah: LiFePO4 is one of the most safe lithium-ion technology. This chemistry is not subject to thermal runaway, is non-flammable and is considered as non-hazardous by international regulation standards;
2. Lithium batteries charge quickly: allowing you to maximize the potential solar power storage from each day of sunlight;
3. LiFePO4 delivers up more than 10 times longer cycle life than lead-acid. Which helps to minimize the battery replacement costs of ownership.

#### Specification of Wall Mounted Lifepo4 Battery

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

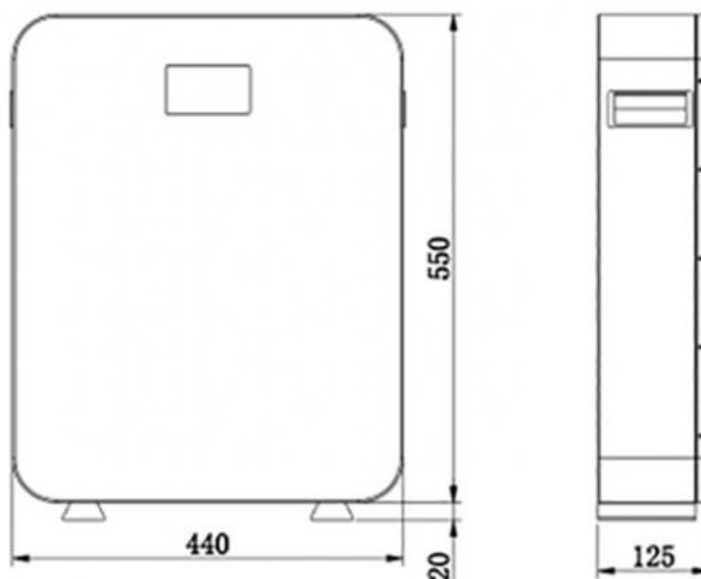


## Home Energy Storage System Operation Pannel



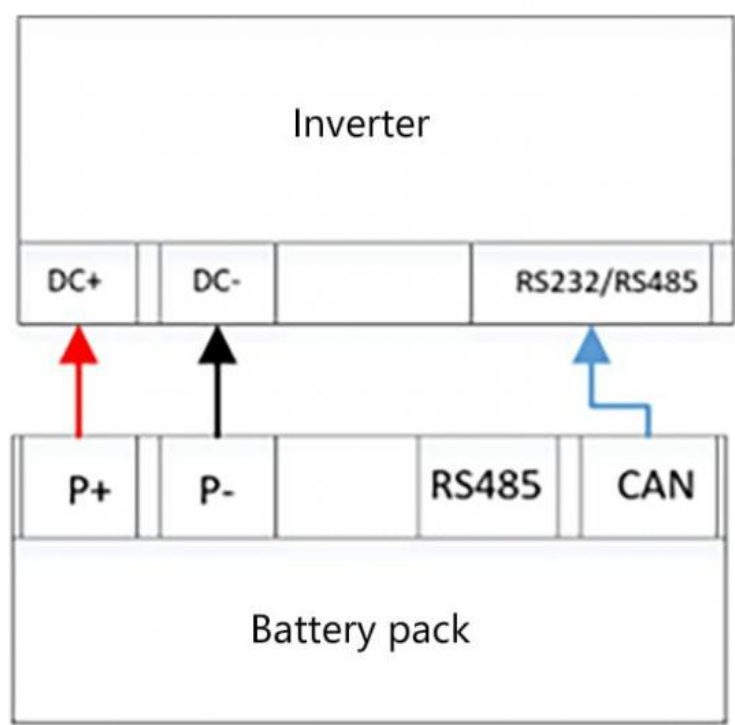
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switchs for address

## Home Energy Storage System Size



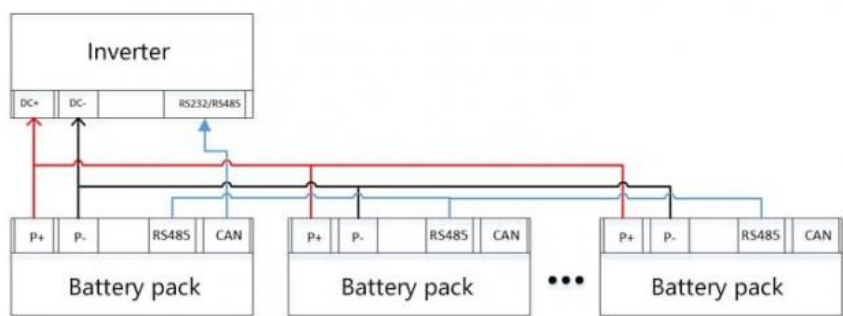
## Home Energy Storage System Single Battery Pack Wiring Diagram

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.

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