



51.2V 2.56kwh Residential Battery Storage System , MPPT Home Energy Storage Battery

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

- Series: 51.2V&50Ah
- Capacity: 2560wh
- Working Voltage: 51.2V
- Battery Model: LiFePO4 Cell
- Communication Interface: RS485, RS232, CAN
- Internal Impedance: $\leq 0.8\text{m}\Omega$
- Standard Charge Voltage: 58.4V
- Max Charge Current: 40A
- Parallels Function: Support 8 Units In Parallels
- Discharge Cut-off Voltage: 40V
- Highlight: **2.56kwh Residential Battery Storage System, 51.2V Residential Battery Storage System, MPPT Home Energy Storage Battery**

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Product Description

2.56kwh Best Home Battery Storage Hybrid Inverter MPPT Residential Battery Storage System

Description of Residential Battery Storage System

Battery storage works by storing the excess solar energy from the PV system for nighttime usage.

Another salient feature of storage systems is that it protects your house from power outages and helps reduce dependence on grid supply.

Features of Residential Battery Storage System

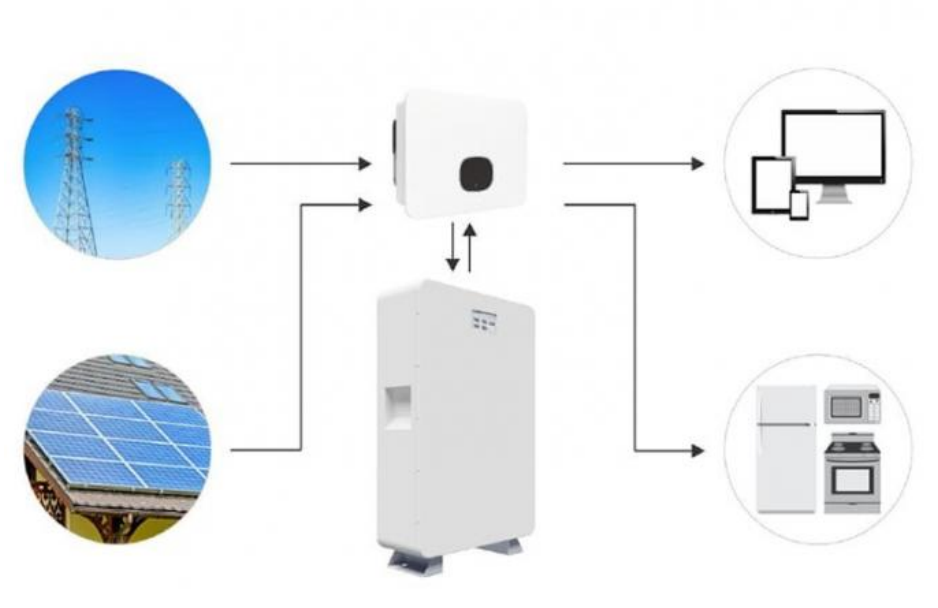
1. Easy & Fast Installation: Plug and play connection, saves installation time
2. Long Life Span: Vertical industry integration ensures 6000+ cycles with 80% DoD
3. Compact & Elegant Design: All-in-one design, compact size perfect for residential
4. Scalability: Max. 8 inverters in parallel, Max 6 batteries in series. Large capacity up to 100 kWh

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-off 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

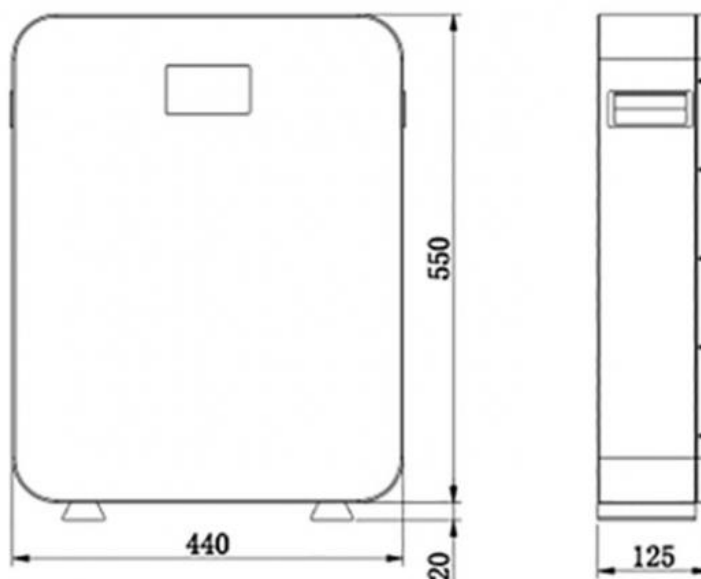


Home Energy Storage System Operation Pannel



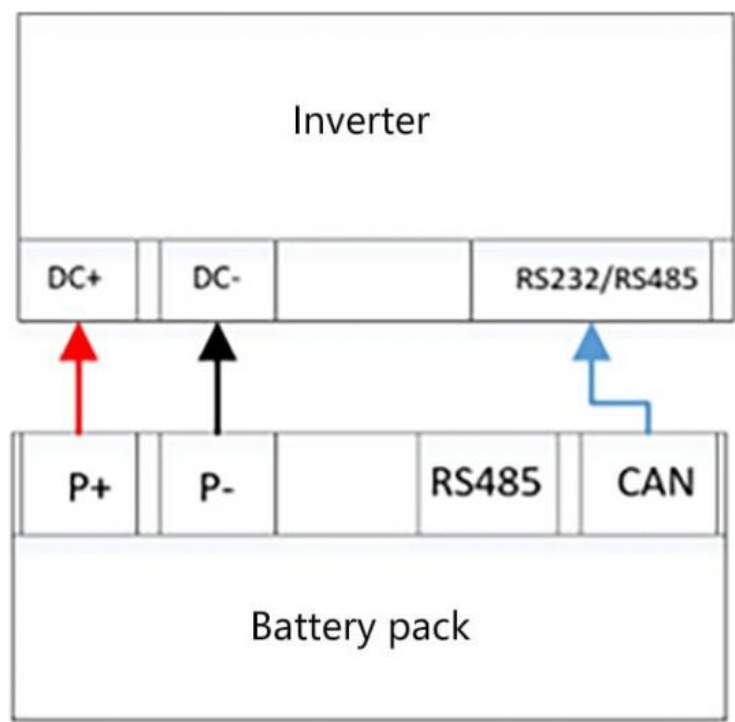
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switchs for address

Home Energy Storage System Size



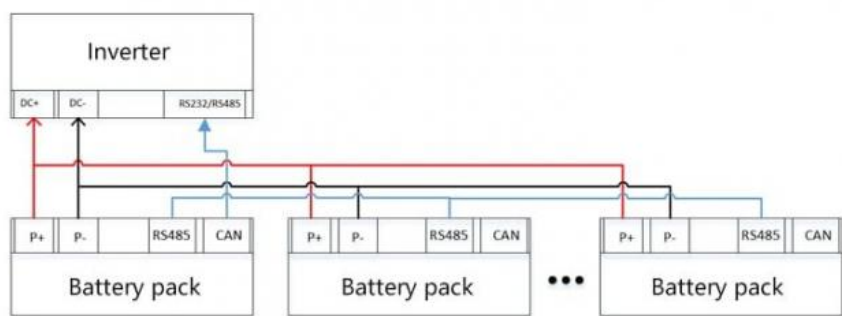
Home Energy Storage System Single Battery Pack Wiring Diagram

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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