



LiFePO4 Stackable Energy Storage System 1 Module Parallel 25.60kwh 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-HL512
- 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

- Module Number: 1
- Capacity: 5.12kwh
- Battery Cell Arrangement: 15S1P*1
- Voltage: 48V
- Weight: 96.5kg
- Nominal Voltage: 48V
- Dimension: 600*460*457mm
- Battery Cell Type: LiFePO4
- Rated Working Current: 100A
- Communication
AC110V/220V/50Hz/60Hzmethod: CAN/RS485/RS232
- Highlight: **LiFePO4 Stackable Energy Storage System,
25.60kwh Stackable Energy Storage System**

Product Description

1 Module Parallel 25.60kwh 48V Residential ESS Solution Home Energy Storage System Stackable LiFePO4 Battery System

Features of Residential Battery Storage System

1. Grade A Cells

Using high quality lithium iron phosphate battery as the main body of energy storage, with feature of large capacity, light weight and large power.

2. Flexible configuration

Multiple battery modules can be stacked for expanding output and Capacity.

3. Status In Real Time

LED lights display the parameters of the equipment in real time, and the running status is clear at a glance.

4. High Capacity

The maximum capacity of a single cluster is 5.12kWh, and it supports 6 clusters in parallel.

5. Good Compatibility

With CAN and RS485, compatible with most popular hybrid and off-grid inverters in the market.

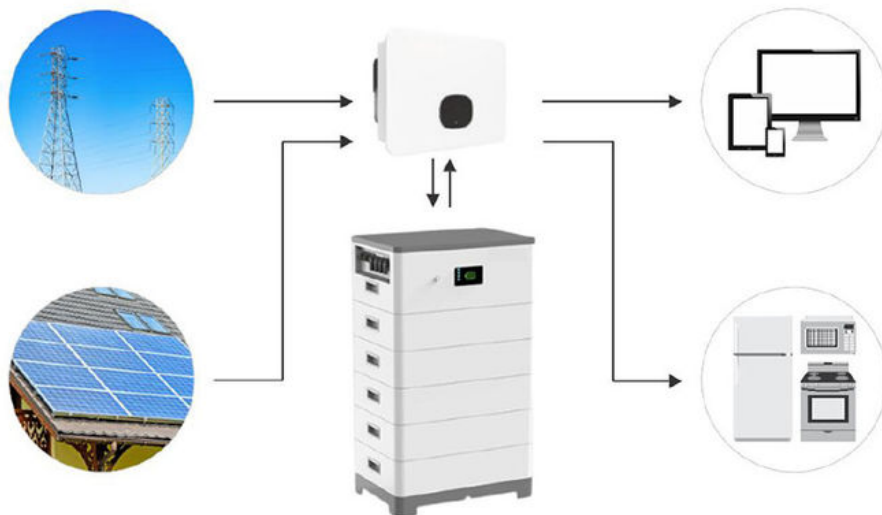
Advantages of Residential Battery Storage System

1. High safety design - circuit breaker + fuse double short circuit protection; Insulation resistance detection and monitoring system leakage.
2. Advanced battery management system --- the highly integrated battery management system can realize seamless monitoring
3. Complete self inspection and operation status detection functions, combined with HMI display, make the system operation information clear at a glance.
4. Complete and reliable system control and protection strategies, comprehensively guarantee battery safety, and escort to extend the life of battery packs .
5. Modular design, configurable and expandable---multiple energy storage units can be flexibly combined and expanded into a larger energy storage system

ESS Lithium Battery Specification

Model	1 Module	2 Modules	3 Modules	4 Modules	5 Modules	6 Modules
Nominal capacity(kwh)	5.12	10.24	15.36	20.48	25.6	30.72
Operating voltage	48V					
Weight (Kg)	96.5	151.5	206.5	261.5	316.5	371.5
Nominal voltage	48V					
Dimension (mm)	600x460x457	600x460x637	600x460x817	600x460x997	600x460x1177	600x460x1357
Battery cell type	LiFePO4					
Communication method	CAN/RS485/RS232					
Operating temperature range	Charging: 0~45 Discharging: -10~50					
Protection level	IP55					
Installation method	Floor installation					
Cycle life	>6000 Cycles(80%DOD)					
Peak charge/discharge current (@25 ,5S)	100A					
Self-discharge rate	≤3.5%/month/@25°C					
Parallel function	1S~6S					

ESS Lithium Battery Connection Diagram



FAQ

1. Is the battery used in the battery pack grade A?

Yes, we only use Grade A and Brand new cells inside.

2. Do you test and match the battery before installing the battery pack?

Yes, every cell will be tested capacity, IR, voltage to surely match

Voltage: The deviation less than 0.01V

Resistance: The deviation less than 0.1mΩ

Capacity: Same capacity matched

3. How do I store my batteries?

When the product is not in use for a long time, it should be stored in a dry, clean and well-ventilated warehouse at 10°C 35°C, avoiding inflammable and explosive materials; the battery pack should be charged and maintained regularly every three months to ensure that the battery best performance state.

4. What is the cycle life of the battery?

6000 cycle life @ 80% DOD

5. What's the warranty of your 48V/51.2V battery pack?

5 years warranty, if there is broken item under quality problem within warranty time, we will offer free replacements or refund, up to your needs

6. Do your batteries support series or parallel connection?

Our 48V battery packs support up to 15pcs in parallel, if you need series connection, please contact our sales staff



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