



## Off Grid Hybrid Solar Energy Storage Battery System 5.12kwh For Home Application

### 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-1
- 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 / 100Ah
- Capacity Of Battery: 5.12kwh
- Voltage Of Battery: 51.2V
- Cell Model: 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: **Solar Energy Storage Battery System 5.12kwh, Hybrid Solar Energy Storage Battery, Home hybrid solar battery**

## Product Description

### 5.12kwh On And Off Grid Hybrid Solar Energy Storage Battery System For Home Application

#### Application of Solar Energy Storage Battery System

On/off grid solar system is widely used in the following places:

1. Mobile equipment such as motor homes and ships;
2. Used for civilian and civilian life in remote areas without electricity, such as plateaus, islands, pastoral areas, border posts, etc, such as lighting, televisions, and tape recorders;
3. Home rooftop grid-connected power generation system;
4. Photovoltaic water pump to solve drinking and irrigation of deep water wells in areas without electricity
5. Transportation field. Such as beacon lights, signal lights, high-altitude obstacle lights, etc;
6. Communication and communication fields. Solar unattended microwave relay station, optical cable maintenance station, broadcasting and communication power supply system, rural carrier telephone photovoltaic system, small communication machine, soldier GPS power supply, etc.

#### Features of Solar Energy Storage Battery System

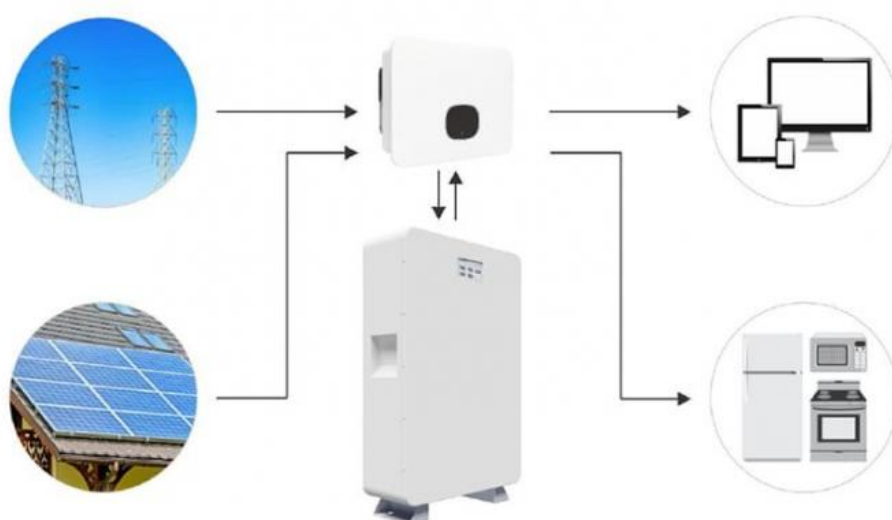
1. Pure sine wave AC output
2. WIFI/ GPRS remote monitoring (optional)
3. Parallel operation available
4. Compatible to mains voltage or generator power
5. MPPT solar charge controller to maximize the solar output
6. Configurable AC/ solar input priority via LCD setting

#### 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

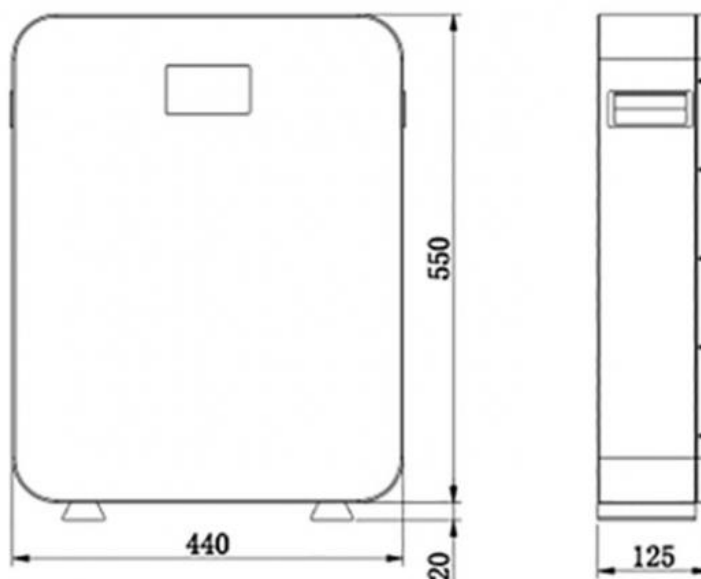


## Home Energy Storage System Operation Pannel



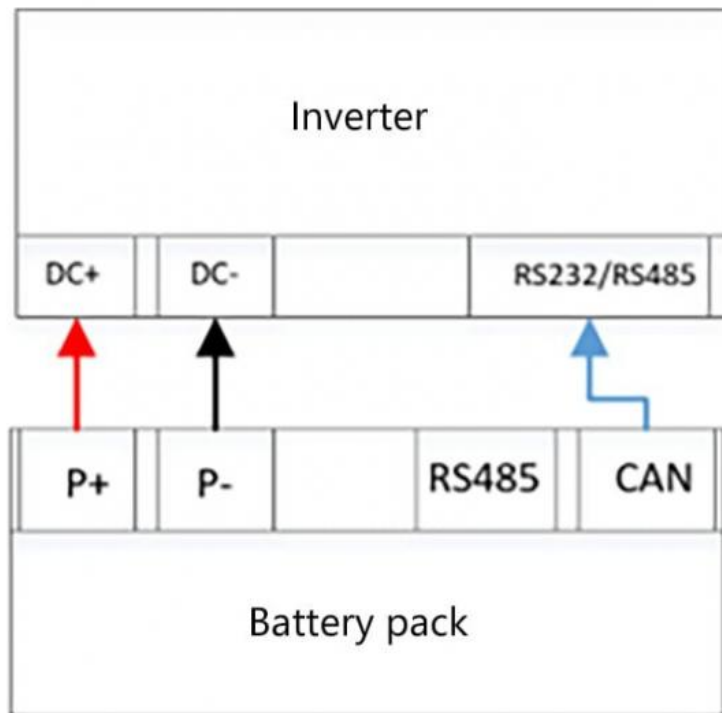
- ① Output negative pole
- ② Output positive pole
- ③ RS232 communication port (software update)
- ④ RS485/CAN communication port (communicate with inverter)
- ⑤ Switchs for address

## Home Energy Storage System Size



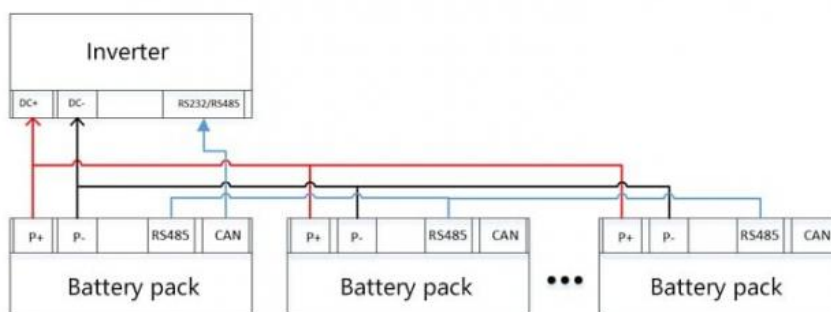
## Home Energy Storage System Single Battery Pack Wiring Diagram

## 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.

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