



## 20.48kwh 48V LiFePO4 Residential Energy Storage Systems Battery 4 Module Parallel

### 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-HL2048
- 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: 4
- Capacity: 20.48kwh
- Battery Cell Arrangement: 15S1P\*4
- Weight: 261.5kg
- Voltage: 48V
- Nominal Voltage: 48V
- Dimension: 600\*460\*457mm
- Battery Cell Type: LiFePO4
- Rated Working Current: 100A
- Communication: CAN/RS485/RS232  
AC110V/220V/50Hz/60Hzmethod:
- Highlight: **LiFePO4 Residential Energy Storage Systems,  
20.48kwh Residential Energy Storage Systems,  
48V lifepo4 energy storage battery**

## Product Description

### 4 Module Parallel 20.48kwh 48V Residential Energy Storage Systems Battery Stackable LiFePO4 Battery

#### Description of Residential Battery Storage System

1. 5,120Wh to 30,720Wh: Impressive capacity from 5,120Wh to 30,720Wh
2. 6000w: Impressive power for up to 6,000 W single-phase appliances
3. Reliable: Unmatched safety due to LiFePO4 battery
4. 12 YEARS EXPERIENCE: 12 years of production and energy storage experience
5. Perfect compatibility with existing/new solar systems
6. Ultimate convenience for indoor and outdoor installation

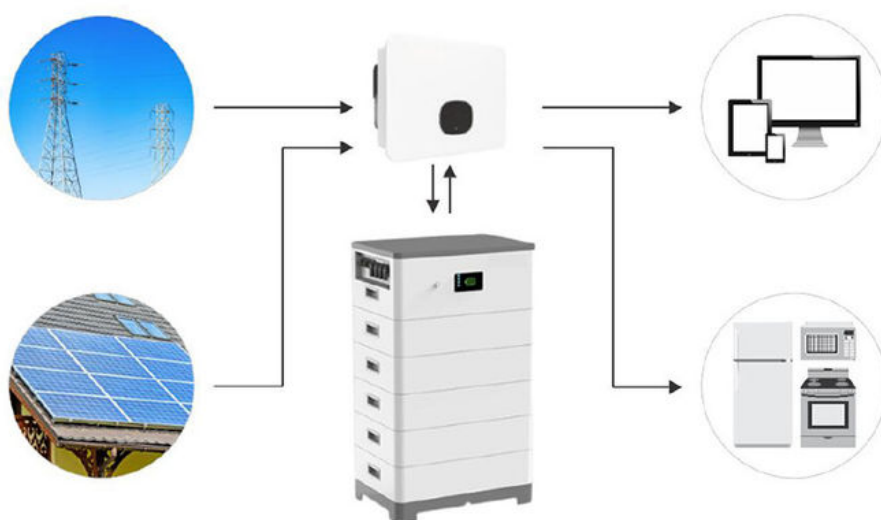
#### Features of Residential Battery Storage System

1. Top brand cell grade A quality
2. High density, small size and weight
3. Cells cycle times 6000 cycles
4. Long lifespan: 5 years warranty, 10+ years life design
5. Big discharge current, Suitable for solar system.
6. Smart BMS system to optimize the performance.
7. Communication: RS485/CAN compatible with different brand of solar inverter.
8. All around protection.
9. High voltage lithium battery system with modular & stacked Design.
10. Smart bms supports communication with following brand of hybrid inverter.

#### 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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