# 30.72kwh 48V Solar Residential Battery Storage System With Lithium Iron **Phosphate Cell**

UN38.3, MSDS, UL, CB, BIS, PSE, GB4943.1 safety standard, CE, FCC, ROHS, battery UN38.3, MSDS, UL, CB, BIS, PSE

# **Basic Information**

- Place of Origin:
- XWELL • Brand Name:

China

7-10 working days

5000 pcs per month

MoneyGram

- Certification:
- XW-HL3072 Model Number:
- Minimum Order Quantity: 1 pcs Carton
- · Packaging Details:
- Delivery Time:
- Payment Terms: L/C, D/A, D/P, T/T, Western Union,
- Supply Ability:



# **Product Specification**

AC110V/220V/50Hz/60Hzm Highlight:	nethod: 48V Residential Battery Storage System, Solar Residential Battery Storage System,
<ul> <li>Communication</li> </ul>	CAN/RS485/RS232
<ul> <li>Rated Working Current:</li> </ul>	100A
<ul> <li>Battery Cell Type:</li> </ul>	LiFePO4
<ul> <li>Dimension:</li> </ul>	600*460*457mm
<ul> <li>Nominal Voltage:</li> </ul>	48V
• Weight:	96.5kg
<ul> <li>Voltage Level:</li> </ul>	DC 48V
<ul> <li>Battery Cell Arrangement:</li> </ul>	15S1P*6
<ul> <li>Nominal Capacity:</li> </ul>	30.72kwh
<ul> <li>Module Qty:</li> </ul>	6

**Our Product Introduction** 

## 6 Module 30.72kwh 48V Residential Battery Storage System Stackable Lithium Iron Phosphate Battery

## Features of Residential Battery Storage System

- 1. High Valtage, 6000+ Cycles Life, Bms System, Safe And Green
- 2. Optimal Energy Storage Solutionwith Best Quality
- 3. More Energy with Less Space
- 4. Store Energy from the Grid or Solar
- 5. Use Your Stored Energy Anytime to Power Your Home

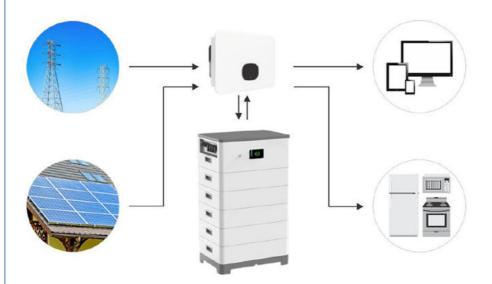
#### Advantages of Residential Battery Storage System

- 1. MODULAR DESIGN: Modular design, light weight, small size
- 2. LONG SERVICE LIFE: More than 10 years long service life
- 3. COMPATIBILITY BMS: High compatibility BMS seamless communication with energy storage inverter
- 4. CHARGE & DISCHARGE CYCLE: Suitable for long-term chargeand discharge cycle

#### Specification of Residential Battery Storage System

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)	600x460x 457	600x460x 637	600x460x 817	600x460x 997	600x460x 1177	600x460x 1357		
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  $0.1m\Omega$  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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