



## RS485/RS232/CAN Rechargeable Lithium Battery Pack Stackable ESS Lithium Battery Pack

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-HH768
- Minimum Order Quantity: 1 pcs
- Price: USD
- 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、 5、 6 Sets
- Capacity: 7.68kwh、 15.36kwh
- Pack Model: LiFePO4 Battery Cell
- Voltage Scale: 136.8-172.8V
- Nominal Voltage: 153.6V
- Battery Cell Type: LiFePO4
- Rated Working Current: 50A
- Communication: CAN/RS485/RS232  
AC110V/220V/50Hz/60Hzmethod:
- Type: Rechargeable Battery
- Highlight: **CAN ESS Lithium Battery Pack,  
RS232 ESS Lithium Battery Pack,  
RS485 ESS Lithium Battery Pack**

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## Product Description

### RS485/RS232/CAN Rechargeable Lithium Battery Pack Stackable ESS Lithium Battery Pack

#### Product Description

The stackable ESS lithium Battery Pack is designed to seamlessly integrate with various renewable energy sources, such as solar panels or wind turbines, allowing for efficient energy capture and storage. It can be used in both on-grid and off-grid applications, providing reliable power supply even during grid outages.

#### Advantages of Rechargeable Lithium Battery Pack

##### Key Specifications:

**Battery Type:** Lithium Iron Phosphate (LiFePO<sub>4</sub>)

**Voltage:** 51.2V

**Available Capacities:** 100Ah or 200Ah

**Cycle Life:** Up to 6000 cycles

**Efficiency:** High energy conversion efficiency

**Charging/Discharging Rate:** Rapid charging and discharging capabilities

**Safety Features:** Built-in protection against overcharging, over-discharging, short circuits, and thermal abnormalities

**Integration:** Compatible with various renewable energy sources

**Application:** Suitable for both on-grid and off-grid energy storage systems

#### Applicable Scope of Rechargeable Lithium Battery Pack

1. Solar Storage
2. Central office
3. Base transceiver station
4. Electronic cash registers
5. Telecommunication systems
6. Communication equipments
7. Switching applications and more
8. Microprocessor based office machine
9. UPS

#### Specification of Rechargeable Lithium Battery Pack

Model	3 modules	4 modules	5 modules	6 modules
Nominal capacity (kwh)	7.68	10.24	12.8	15.36
Battery cell configuration	48S1P	64S1P	80S1P	96S1P
Operating voltage range(V)	136.8-172.8	182.4-230.4	228-288	237.6-345.6
Weight	115kg	145kg	175kg	205kg
Nominal voltage	153.6V	204.8V	156V	307.2V
Dimension (mm)	550x430x697.5	550x430x826.5	550x430x955.5	550x430x1084.5
Battery cell type	LiFePO <sub>4</sub>			
Rated working current	50A			
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	63A, (@25 ,5S)			
Self-discharge rate	≤3.5%/month/@25°C			
Series function	3S~8S			

#### Rechargeable Lithium Battery Pack 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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