

## LFP Home Energy Storage Battery 6000x Cycle Life 5.12kwh PowerWall 51.2V 100Ah Emergency Power Supply

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: enook
- Model Number: Energy Storage Battery

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### Product Specification

- Cycle Life: 6000 Times
- Certificate: CE, UL, UN38.3, MSDS
- Protection Grade: IP20
- Rated Frequency: 50-60HZ
- Anode Material: LFP
- Communication Port: CAN, RS232, RS485
- Single Battery Power: 5.12kwh
- Highlight: **51.2V 100Ah Emergency Power Supply, Home Energy Storage Battery PowerWall, LFP Home Energy Storage Battery**

ENOOK™



High efficiency LFP battery cell

Suitable for multiple inverters

Long cycle, Low attenuation

Equipped with a dedicated bracket

up to 16 battery packs in parallel

### More Images

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## Product Description

### Product Description:

The PowerWall 51.2V 100Ah Home Energy Storage Battery has undergone extensive testing and certification to ensure its safety and reliability. It has obtained CE, UL, UN38.3, and MSDS certificates, which means it meets the strictest safety standards for use in homes. The dimensions of this battery are 445\*565\*182mm, making it compact and easy to install. It can be used with a variety of home solar power systems, and it is compatible with most inverters on the market.

In summary, the PowerWall 51.2V 100Ah Home Energy Storage Battery is a reliable and efficient energy storage solution for home solar power systems. With its LFP anode material, rated frequency of 50-60HZ, and extensive safety certifications, this lithium iron phosphate battery is an excellent choice for homeowners looking to reduce their reliance on the grid and live a more sustainable lifestyle.

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### Features:

Product Name: Home Energy Storage Battery

Warranty: 5 Years

Place of Origin: China

Cycle life: 6000 Times

Protection grade: IP20

Rated frequency: 50-60HZ

Battery Type: Lithium Iron Phosphate Battery (LiFePO4 Battery)

## 5KWH HOUSEHOLD ENERGY STORAGE BATTERY



### Applications:

**Off-Grid Solar Power System:** If you have a solar power system installed in your home, the enook Energy Storage Battery can be used to store the excess energy generated during the day for use at night or during cloudy days.

**Emergency Power Supply:** When there is a power outage, the enook Energy Storage Battery can be used as a backup power supply to keep your home appliances running. It can power lights, refrigerators, and other essential appliances for several hours.

**Peak Shaving:** During peak hours, when electricity prices are high, the enook Energy Storage Battery can be used to power your home appliances instead of drawing electricity from the grid. This can help you save money on your electricity bills.

**EV Charging:** If you have an electric vehicle, the enook Energy Storage Battery can be used to charge it. This is especially useful if you have a limited power supply and cannot afford to draw too much electricity from the grid.

**Home Automation:** The enook Energy Storage Battery can be integrated with your home automation system to power your smart devices and appliances. This can help you save energy and reduce your carbon footprint.

The enook Energy Storage Battery has a dimension of 445\*565\*182mm and a rated frequency of 50-60HZ. It comes with a 5-year warranty and communication ports such as CAN, RS232, and RS485. With its PowerWall 51.2V 100Ah, it provides a reliable source of energy that can be used in various scenarios. Whether you want to reduce your electricity bills, be prepared for emergencies, or power your electric vehicle, the enook Energy Storage Battery is a versatile and reliable solution.

## Residential Energy Storage System

The intelligent small energy storage system is combined with advanced LiFe-PO4 lithium batteries, hybrid inverters, energy management systems, and photovoltaic module systems, which is suitable for household energy storage, farms, and other applications.



Customization:

|                          |                                       |
|--------------------------|---------------------------------------|
| Battery Type             | Lithium Ion                           |
| Output Power Range       | 10~20 kWh                             |
| System Type              | Wall-mounted, Stackable, Rack-mounted |
| Customized support       | Software reengineering                |
| Network                  | SDK, NFC                              |
| Type                     | DC/DC Converters, DC/AC Inverters     |
| Output Type              | Single, DUAL, Triple, Quad, Multiple  |
| Output Frequency         | 50/60Hz                               |
| Size                     | 440*300*110mm                         |
| Weight                   | 9.5kg                                 |
| Product name             | Hybrid solar inverter                 |
| Rated power              | 5KW                                   |
| Output voltage wave form | Pure sine wave                        |



### Support and Services:

Our Home Energy Storage Battery product comes with comprehensive technical support and services to ensure that you get the most out of your investment:

[24/7 online troubleshooting and FAQs](#)

[Remote monitoring and diagnostic services](#)

[Regular firmware updates to ensure optimal performance and compatibility with new technologies](#)

[On-site installation and commissioning by certified professionals](#)

[Training and education resources for homeowners and installers](#)

[Extended warranties and maintenance contracts](#)

Our team of experts is dedicated to providing you with the highest level of support and service to ensure that your home energy storage system operates efficiently and reliably for years to come.

98%  
Efficiency

5-80kwh  
Scalability

6000 cycles  
Long life

Plug In And Play  
Easy to install and set up

Easy Maintenance  
Screw scheme

Compatibility  
Compatible with most inverters

Safety  
LFP + Circuit Breaker

Communication  
RS485/ CAN



**MSDS UN38.3**



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