

## Long Cycle Life 51.2v Home Energy Storage Battery 100ah Lithium Iron Phosphate Battery With OEM/ODM Accepted CE

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

- Rated Frequency: 50-60HZ
- Dimension(L\*W\*H): 445\*565\*182mm
- Communication Port: CAN,RS232,RS485
- Battery Type: Lithium Ion, LiFePO4,Other
- OEM/ODM: Acpted
- Warranty: 5 Years
- Cycle Life: 6000 Times
- Certificate: CE、UL、 UN38.3、 MSDS
- Highlight: **OEM/ODM Home Energy Storage Battery, 100ah Lithium Iron Phosphate Battery, 51.2v Home Energy Storage Battery**

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### More Images

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## Product Description

### Product Description:

With dimensions of 445\*565\*182mm, this battery is compact and easy to install in any location. It has an input battery voltage range of 40-58.4V, providing ample power for a variety of devices and appliances. The Home Energy Storage Battery is certified by CE, UL, UN38.3, and MSDS, ensuring its safety and reliability.

As a Lifepo4 battery, this product offers superior energy density and a longer lifespan compared to other Lithium Ion batteries. Its lithium iron phosphate composition provides stable and consistent performance, making it an ideal choice for energy storage applications. Manufactured in China, the Home Energy Storage Battery is built to the highest quality standards. Its advanced technology and efficient design make it a valuable addition to any home or business seeking reliable and cost-effective energy storage solutions.

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High efficiency LEP  
battery cell

Suitable for multiple  
inverters

Long cycle, Low attenuation

Equipped with a dedicated  
bracket

up to 16 battery packs in  
parallel

### Features:

Product Name: Home Energy Storage Battery

Application: Home Solar Power System

Battery Type: Lithium Ion, LiFePO4, Other

Anode Material: LFP

Warranty: 5 Years

Certificates: CE, UL, UN38.3, MSDS

PowerWall 51.2V 100Ah

Lithium Iron Phosphate Battery

PowerWall 51.2V 100Ah

|                                         |                                                                          |                 |                 |                   |                   |
|-----------------------------------------|--------------------------------------------------------------------------|-----------------|-----------------|-------------------|-------------------|
| Nominal Voltage (V)                     | 48                                                                       |                 |                 |                   |                   |
| Battery Capacity (AH)                   | 50(2.5KW<br>H)                                                           | 100<br>(5KWH)   | 200(10KW<br>H)  | 500(25KW<br>H)    | 1000(50KW<br>H)   |
| Working Voltage Range                   | 42-56.25                                                                 |                 |                 |                   |                   |
| Recommended Charging voltage (V)        | 52.5                                                                     |                 |                 |                   |                   |
| Recommended Discharge cutoff Voltage(V) | 45                                                                       |                 |                 |                   |                   |
| Standard Charging Current (A)           | 25                                                                       | 50              | 100             | 100               | 200               |
| Max Continuous Charging Current(A)      | 50                                                                       | 100             | 200             | 500               | 1000              |
| Standard Discharge Current (A)          | 25                                                                       | 50              | 100             | 100               | 200               |
| Max Continuous Discharging Current(A)   | 50                                                                       | 100             | 200             | 500               | 1000              |
| Temperature( )                          | -30 ~60 (recommend 10 ~35 )                                              |                 |                 |                   |                   |
| Allowable humidity range                | 0 85% RH                                                                 |                 |                 |                   |                   |
| Storage temperature( )                  | -20 ~65 (recommend 10 ~35 )                                              |                 |                 |                   |                   |
| Cool method                             | Natural air cooling                                                      |                 |                 |                   |                   |
| Certificate                             | CE, UN38.3, MSDS                                                         |                 |                 |                   |                   |
| Cycle life                              | Around 5000 times                                                        |                 |                 |                   |                   |
| Communication                           | RS485(CAN optional)                                                      |                 |                 |                   |                   |
| Parallel function                       | 48V support at most 15 packs in parallel use(Maximum Capacity is 150KWH) |                 |                 |                   |                   |
| Max size (W*D*H) mm                     | 410*630*<br>156                                                          | 410*630*<br>156 | 465*682*<br>246 | 410*630*<br>156*5 | 465*682*<br>246*5 |
| Weight                                  | 25KG                                                                     | 49KG            | 88KG            | 245KG             | 440KG             |
| Protection Level                        | IP20                                                                     |                 |                 |                   |                   |
| Remark                                  | 0.5C Discharge Max: 1C, 80%DOD                                           |                 |                 |                   |                   |
| Battery Cell                            | <b>A Grade Prismatic Cell</b>                                            |                 |                 |                   |                   |
| Protection                              | <b>Built-In Smart BMS</b>                                                |                 |                 |                   |                   |

## 5KWH HOUSEHOLD ENERGY STORAGE BATTERY



### Applications:

The Energy Storage Battery can be used for power backup when there is a power outage or grid failure. The battery can be charged during off-peak hours when electricity is cheaper, and the stored energy can be used during peak hours. This makes it an ideal solution for homes that experience frequent power outages or those that want to reduce their energy bills.

The enook Energy Storage Battery can be used in homes that rely on solar power or other renewable energy sources. When the sun is not shining, the battery can be used to power the home, reducing the reliance on the grid. The Energy Storage Battery can also be used to store energy from wind turbines or other sources of renewable energy.

Another application of the enook Energy Storage Battery is in off-grid homes or cabins. These homes are not connected to the grid, and the battery can be used to store energy from generators or other sources. This makes it possible to have a reliable source of power, even in remote areas.

The Energy Storage Battery can also be used in homes that have electric vehicles. The battery can be used to charge the car, reducing the need to use grid electricity. This can save money and reduce the carbon footprint of the home.

The enook Energy Storage Battery is a versatile product that can be used in a wide range of scenarios. The product is available for OEM/ODM orders, and the anode material used is LFP. The input battery voltage range is 40-58.4V, and the product dimensions are 445\*565\*182mm.

## Residential Energy Storage System

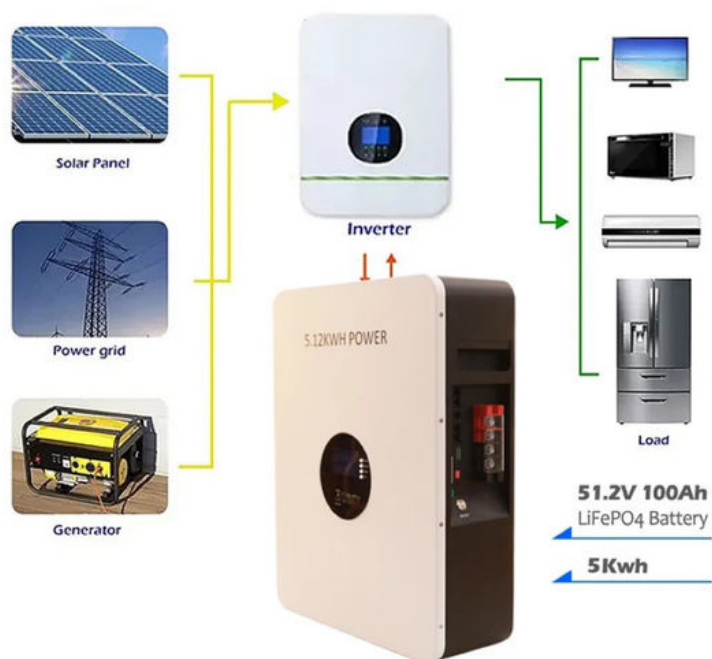
The intelligent small energy storage system is combined with advanced LiFe-PO4 lithium batteries, hybrid inverters, energy management systems, and photovoltaic module systems, which is suitable for household energy storage, farms, and other applications.



### Customization:

Customize your Enook Energy Storage Battery to fit your home solar power system needs. Our lithium iron phosphate battery comes in the PowerWall 51.2V 100Ah model, with a single battery power of 5.12kwh. Made in China, our Energy Storage Battery has a 5-year warranty and features smart technology. Trust in the reliability of our Lifepo4 battery to power your home for years to come.

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### Support and Services:

Our Home Energy Storage Battery product comes with comprehensive technical support and services to ensure optimal performance and customer satisfaction. Our team of experts are available to provide assistance with installation, setup, and configuration of the battery system. They can also help troubleshoot any issues that may arise during usage. Additionally, we offer regular maintenance and remote monitoring services to ensure the battery system is functioning at its best. Our team can remotely monitor the system and provide proactive maintenance and support to prevent any potential issues. We also provide software updates and upgrades to ensure the battery system is always up-to-date with the latest features and technology advancements. Our team is committed to providing exceptional technical support and services to our customers to ensure they have a seamless and hassle-free experience with our Home Energy Storage Battery product.



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