

# Lifepo4 Grade A lfp Cell 48volt Lithium Battery 5kw 10kw 15kwh 20 kwh 30kwh Home Energy Storage Battery

Our Product Introduction

for more products please visit us on [enookbattery.com](http://enookbattery.com)

## Basic Information

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

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## Product Specification

- Anode Material: LFP
- Rated Frequency: 50-60HZ
- Communication Port: CAN,RS232,RS485
- Dimension(L\*W\*H): 445\*565\*182mm
- Protection Grade: IP20
- OEM/ODM: Accepted
- Highlight: 10kw Home Energy Storage Battery,  
15kwh Home Energy Storage Battery,  
20 kwh Home Energy Storage Battery



Modular Design

Modular Design Gives The End Customers  
The Power Of Choice Of Capacity Deliver Up  
To 140KW With Single Max Module  
(10.24KW) At 14pcs Parallel Connection.

### Compact Size

High Energy Density Battery, Enabled Sunpal  
Powerbox Ultra-Compact, Light Weight.  
Compact Size Makes Sunpal Powerbox Easy  
To Handle.



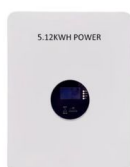
### Long Life and Safety

Vertical Industry Integration Ensures More  
Than 4000 Cycles With 80% DoD Safe  
Lithium Iron Phosphate Battery Cell.



## More Images

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- 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

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## Product Description

### Product Description:

The Home Energy Storage Battery has a capacity of 51.2V 100Ah and can store a large amount of energy to power your home during power outages or periods of high energy demand. It is also equipped with a communication port that supports CAN, RS232, and RS485 interfaces, making it easy to integrate with your existing power management system.

Whether you are looking for a backup power solution for your home or business, the Home Energy Storage Battery is a great choice. It is designed to deliver reliable performance even in harsh environments and can withstand extreme temperatures and vibrations. Plus, its anode material is LFP (lithium iron phosphate), which ensures that the battery is safe and has a long service life.

The Home Energy Storage Battery is also highly customizable and supports OEM/ODM configurations. This means that you can tailor the battery to meet your specific power requirements and integrate it seamlessly into your existing power management system.

Overall, the Home Energy Storage Battery is a high-quality Lifepo4 battery that offers a range of benefits to homeowners and businesses. It is a reliable and cost-effective power backup solution that can help you keep your lights on during power outages and reduce your energy bills by storing excess energy from your solar panels or wind turbines. Plus, its customizable design and communication port make it easy to integrate with your existing power management system.

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### Compact Size

High Energy Density Battery, Enabled Sunpal Powerbox Ultra-Compact, Light Weight. Compact Size Makes Sunpal Powerbox Easy To Handle.

### Modular Design

Modular Design Gives The End Customers The Power Of Choice Of Capacity Deliver Up To 140KW With Single Max Module (10.24KWh) At 14pcs Parallel Connection.



### Long Life and Safety

Vertical Industry Integration Ensures More Than 6000 Cycles With 80% DoD Safe Lithium Iron Phosphate Battery Cell.



## **Features:**

Product Name: Home Energy Storage Battery

Rated Frequency: 50-60HZ

Protection Grade: IP20

Anode Material: LFP (Lithium Iron Phosphate)

Battery Type: Lithium Ion, LiFePO4, Other

Communication Port: CAN, RS232, RS485

This Home Energy Storage Battery is equipped with a durable and long-lasting LiFePO4 battery that guarantees reliable power supply for your household. With a rated frequency of 50-60HZ and IP20 protection grade, you can rest assured that your power source is safe and secure. It also features multiple communication ports such as CAN, RS232, and RS485, ensuring seamless integration with other systems.

**ENOOK®**



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

**ENOOK®**

## 5KWH HOUSEHOLD ENERGY STORAGE BATTERY



### Applications:

Thanks to its versatile communication ports, including CAN, RS232, and RS485, the enook Energy Storage Battery can be easily integrated into a wide range of home energy systems, including solar PV systems, wind turbines, and more. This makes it an ideal choice for homes that are looking to reduce their reliance on the grid and move towards a more sustainable, self-sufficient lifestyle.

Whether you're looking to power your home during a blackout or simply want to reduce your energy costs and carbon footprint, the enook Energy Storage Battery is the perfect solution. Its compact dimensions, measuring 445\*565\*182mm, make it easy to install in a variety of

spaces, and its OEM/ODM capabilities mean that it can be customized to meet your exact needs and preferences.

Some of the most common applications for the enook Energy Storage Battery include:

Home solar PV systems

Backup power for critical home appliances, such as refrigerators and medical equipment

Off-grid homes and cabins

Electric vehicle charging stations

Overall, the enook Energy Storage Battery is an incredibly versatile and reliable energy storage solution that can help you achieve greater energy independence and sustainability in your home. Contact us today to learn more about how this innovative product can benefit your home and lifestyle.

## 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.



|                                  |                                                 |
|----------------------------------|-------------------------------------------------|
| 98%<br>Efficiency                | 5-80kwh<br>Scalability                          |
| 6000 cycles<br>Long life         | Plug In And Play<br>Easy to install and set up  |
| Easy Maintenance<br>Screw scheme | Compatibility<br>Compatible with most inverters |
| Safety<br>LFP + Circuit Breaker  | Communication<br>RS485/ CAN                     |



**MSDS UN38.3**

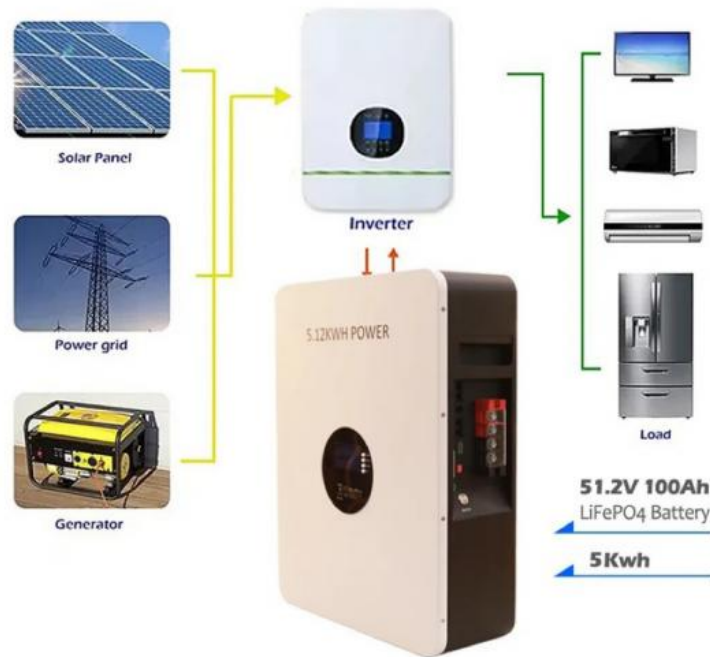


## Customization:

Enook Energy Storage Battery  
Model Number: Energy Storage Battery  
Place of Origin: China  
Single Battery Power: 5.12kWh  
Anode Material: LFP  
Dimension (L\*W\*H): 445\*565\*182mm  
Protection Grade: IP20  
Customization Services:  
Customizable battery capacity  
Customizable anode material  
Customizable dimension to fit your space  
Optional integrated inverter for easy installation

Upgrade your home with the Enook Energy Storage Battery, also known as the PowerWall 51.2V 100Ah. Our high-quality LFP anode material ensures long-lasting performance, while the IP20 protection grade provides safety and durability. Customize your battery to fit your needs with our range of customization services.





## Support and Services:

The Home Energy Storage Battery product technical support and services include:

24/7 customer service support

Remote monitoring and diagnostic services

On-site installation and commissioning services

Regular system upgrades and maintenance services

Extended warranty and replacement services

Our team of experienced technicians and engineers are dedicated to providing high-quality support and services to ensure the optimal performance of your Home Energy Storage Battery.

## Company Introduction

ChangSha Enook Technology Co., Ltd located is an outstanding solution service provider in Lithium Battery Management System(BMS) industry, focusing on the R&D, design, production and sales of Apexium DIY kits, BMS and battereis for more than 15 years. With its strength, it can provide customers with first-class software and hardware devel- opment and after-sales services.

Quality first is our principle,Satisfying all our customers is ourtenet,win-win business is our aim.Dedicated to strict qualitycontrol and thoughtful customer service,our experiencedstaff members are always available to discuss eachdetailed requirements from customer and ensure fullcustomer satisfaction.

In addition,we have obtained certificates.MSDS UN38.3MSDS, ROHS,UL.ect. All our products keep selling wellnot onlyaround China, but also inUSA, Philippines, Germany, EnglandAustralia, Russia, France and other European and Asia countries Fast delivery is one of our advantage,selecting a currentproducts from catalogue,or customized products,3~5days isthe normal time to prepare for the goods,OEM & ODM orderscan be acceptable.

Please don't hesitate to contact us if you have any requirement, we'll provide our best service to you.

## Our Factory



## Company Exhibition





## PACKAGING

### PACKAGING



### Shipping by



Professional suggestion to choose the best shipping delivery (Such as EMS DHL TNT UPS and FEDEX) for your commodities according to your demand.

# CERTIFICATES



**OUR CERTIFICATES GIVE YOU RELIABLE  
SUPPORT FOR YOUR ORDERS**



**Changsha Enook Technology Co., Ltd**



+8617752866093



wendy@enooktech.com



enookbattery.com

ROOM 1717, JIEZUO BUILDING, NO. 828, SECTION 1, FURONG SOUTH ROAD, TIANXIN DISTRICT,  
CHANGSHA, HUNAN