



Efficient Solar Energy Storage System Lightweight 90KG LifePO4 Lithium Battery Pack

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: enook
- Certification: CE/ROHS/UN38.3/MSDS/DGC
- Model Number: energy storage system



Product Specification

- Warranty: 5~10 Years
- Product Size(mm): 990mm*550mm*245mm
- Working Humidity: 65+20%RH
- Battery Type: LifePO4 Lithium Battery Pack
- Protection Level: IP20
- Weight: 90KG
- Nominal Voltage: 51.2V
- Highlight: LifePO4 Solar Energy Storage System,
90KG Solar Energy Storage System,
LifePO4 Lithium Battery Pack



More Images



Product Description

Product Description:

The advent of renewable energy solutions has paved the way for a myriad of advancements, and a pivotal component within this realm is the storage of the harvested energy. Acknowledging this critical need, the Solar Energy Storage System stands out as an exemplary product, designed to cater to the increasing demands for efficient and reliable energy storage. This system is a cornerstone for those seeking the best battery for solar power storage, integrating seamlessly with a Hybrid Grid connection to ensure that you can utilize solar energy to its fullest potential.

Our Solar Energy Storage System is a testament to innovation, boasting certification from CE, ROHS, UN38.3, MSDS, and DGC, which not only attests to its quality but also its safety and environmental compliance. Users can rest assured that they are investing in a product that meets stringent international standards, ensuring reliability and peace of mind. One of the primary considerations for any energy solution is its longevity and maintenance. We understand this, which is why our Solar Energy Storage System comes with an impressive warranty of 5 to 10 years. This robust warranty period underscores our confidence in the product's durability and performance over time. Additionally, the system's cycle life ranges between 3000 to 6000 cycles at a depth of discharge (DOD) of 80% at 25°C and 0.5C, signifying a long and productive lifespan, reducing the need for frequent replacements and offering a greater return on investment.

With a weight of 90KG, the Solar Energy Storage System is designed to be robust yet manageable, allowing for a straightforward installation in a variety of settings. Whether it's for a residential property or a business, this system offers the flexibility to be deployed as a house energy storage solution, effectively capturing and storing solar energy for later use. This is particularly beneficial for homeowners looking to reduce their dependency on the grid and gain greater control over their electricity consumption.

Solar power and battery storage have become two sides of the same coin, and our Solar Energy Storage System exemplifies this synergy. The hybrid grid connection enables the system to not only store energy but also to interact intelligently with the grid. This means that during peak solar production hours, excess energy can be stored for later use, or even fed back to the grid where permissible. Conversely, during low production periods or at night, the stored energy can be drawn upon to power your home, ensuring a consistent and reliable energy supply.

Moreover, the scalable nature of the system means that it can be tailored to meet specific energy requirements. Whether you are looking to store a few kilowatt-hours for a small home or require a more substantial setup for larger energy needs, the modular design of our Solar Energy Storage System can be expanded to suit your unique situation. This scalability not only makes it an ideal choice for incremental investment but also ensures that it can grow alongside your energy demands.

In summary, the Solar Energy Storage System is a forward-thinking solution that brings together the best of solar power and battery storage. Its ability to provide dependable house energy storage, combined with the peace of mind from its extensive warranty and impressive cycle life, makes it a smart investment for anyone looking to harness the power of the sun. With its certified quality, robust design, and intelligent grid interaction, this storage system is ready to meet the challenges of modern energy needs and is poised to become a pivotal element in sustainable living and energy management.

DKL-ENERGY STORAGE LITHIUM BATTERY

VERTICAL



Features:

Product Name: Solar Energy Storage System

Product Size(mm): 990mm*550mm*245mm

Working Humidity: 65+20%RH

Grid Connection: Hybrid Grid

Battery Type: LifePO4 Lithium Battery Pack

Protection Level: IP20

Keyword: solar power and battery storage

Keyword: battery storage system for solar

Keyword: solar power and battery storage

FEATURES AND DETAILS



Applications:

The enook energy storage system, originating from China, stands as a leading solution for harnessing solar power and ensuring its availability whenever needed. Certified with industry standards such as CE, ROHS, FCC, UN38.3, and MSDS, the enook energy storage system is designed to be the best battery for solar power storage. With a robust LifePO4 Lithium Battery Pack at its core, this system guarantees reliability and a long service life, boasting an impressive range of 3000 to 6000 cycles at DOD 80% under the temperature of 25°C with a discharge rate of 0.5C.

With a product size of 990mm*550mm*245mm, the enook energy storage system is both compact and powerful, offering an output power range of 10 to 20 Kwh. This makes it an ideal battery storage system for solar applications in a variety of settings. Whether for residential, commercial, or industrial use, this hybrid grid-connected device can seamlessly integrate with existing solar setups, providing a continuous energy supply during peak demand times or as backup during power outages.

The enook energy storage system is particularly well-suited for regions with unstable grid infrastructure or for individuals looking to maximize their use of renewable energy. It serves as the backbone for off-grid living, rural electrification, and for those aiming to achieve energy independence. As the demand for solar power and battery storage grows, the enook energy storage model stands out as a scalable solution that can be adapted to a wide range of power needs. Moreover, for businesses that require an uninterrupted power supply, such as data centers, healthcare facilities, and manufacturing plants, the enook energy storage system provides a secure and eco-friendly alternative to traditional fossil fuel generators. It is also an excellent choice for eco-tourism operators who wish to offer their guests a sustainable experience without compromising on comfort.

In summary, the enook energy storage system not only ensures that users have access to the best technology for solar power and battery storage but also caters to a wide array of applications where clean, reliable, and efficient energy is paramount. Its versatility and advanced features make it a top-tier choice for anyone looking to invest in a future-proof energy storage solution.



Customization:

Brand Name: enook

Model Number: energy storage system

Place of Origin: China

Certification: CE ROHS FCC UN38.3 MSDS

Nominal Voltage: 51.2V

Weight: 90KG

Grid Connection: Hybrid Grid

Max of Parallel: 15PCS

Product Size(mm): 990mm*550mm*245mm

Explore the enook energy storage system, the **best battery for solar power storage**, designed to enhance your **house energy storage** capabilities. This state-of-the-art system allows for seamless integration with hybrid grids and offers the flexibility to connect up to 15 units in parallel, ensuring a scalable solution for your **house energy storage** needs.

PRODUCT CHARACTERISTICS



Greater energy



Ultra thin model



communication support



Highly customisable



Over temperature protection



Short circuit protection

PRODUCT SPECIFICATION



Support and Services:

Our Solar Energy Storage System is designed to provide you with reliable and efficient energy storage solutions. To ensure that you get the most out of your product, we offer comprehensive technical support and services for our customers. Our team of experts is dedicated to helping you understand your system, troubleshoot any issues, and optimize its performance for your specific needs.

Technical Support Services:

Troubleshooting Assistance - If you encounter any problems with your Solar Energy Storage System, our technical support team is available to help diagnose and resolve the issues quickly and effectively.

Installation Guidance - We provide detailed instructions and support for the installation of your energy storage system to ensure it is set up correctly and safely.

Product Manuals and Documentation - Access to all necessary product manuals, user guides, and documentation to help you understand and operate your system.

Software Updates - Keep your system running smoothly with the latest firmware and software updates, which are available for download as they are released.

Maintenance Tips - Regular maintenance is key to the longevity of your system. We provide tips and best practices for maintaining your Solar Energy Storage System.

Customer Service and Warranty:

Warranty Support - Our products come with a comprehensive warranty. If your system experiences any covered issues, we will work with you to repair or replace the necessary components.

Extended Service Plans - For additional peace of mind, we offer extended service plans that cover your system beyond the standard warranty period.

Customer Service Portal - Access our customer service portal for FAQs, to submit inquiries, and to track the status of your support requests.

Our goal is to ensure that you are completely satisfied with your Solar Energy Storage System and the support we provide. We are committed to delivering the highest level of service and support to keep your system running at peak performance.

item	value
Battery Type	Lithium Ion
Model Number	DKL48100
Brand Name	OEM
Place of Origin	China
	Anhui
Output Power Range	10~20 kWh
Dimension (L*W*H)	990mm* 550mm*245mm
Weight	90KG
System Type	Wall-mounted
Communication Port	CAN, RS232, RS485
Protection Class	IP20
Grid connection	Hybrid grid
Working humidity	65±20%RH
Operating temperature	- 10~+50°C
Installation	Stack installation
Max of parallel	15PCS
Warranty	5~ 10 Years
Certified	CE ROHS FCC UN38 .3 MSDS
Cycle	3000~6000cycles @DOD 80%/25°C/0 . 5C
Application	Home Appliances



Packing and Shipping:

The Solar Energy Storage System is packaged with the utmost care to ensure its integrity and safety during transit. The system is encased in a durable, eco-friendly packaging material that provides ample cushioning and protection from potential impacts. Each component is securely fastened and wrapped to prevent movement that could lead to damage. The outer layer of the packaging is waterproof and resistant to environmental factors, ensuring that the product arrives in pristine condition.

Before shipping, a thorough inspection is conducted to guarantee that all parts of the Solar Energy Storage System are included and properly packaged. The package is then sealed with reinforced tape and clearly labeled with handling instructions and the destination address. We utilize trusted shipping carriers to handle the delivery, and each shipment is fully insured for the value of the contents. A tracking number is provided to monitor the shipment's progress until it reaches its destination.

Upon receiving the Solar Energy Storage System, customers are advised to inspect the package for any external damage before accepting the delivery. If there is any visible damage or if the package has been tampered with, it is important to note it on the delivery receipt and contact customer service immediately. Instructions for the safe unpacking and installation of the system are included within the package to facilitate a smooth setup process.

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 batterieis 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 selection a variety of products

delivery is one of our advantage,selecting a current products from catalogue,or customized products,3~5days is the normal time to prepare for the goods,OEM & ODM orders can 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**



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