

High Capacity Solar Energy Storage System 10~20 Kwh LifePO4 Lithium Battery Pack Hybrid Grid

Our Product Introduction

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Basic Information

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

FEATURES AND DETAILS



Product Specification

- Size: Customizable
- Grid Connection: Hybrid Grid
- Battery Type: LifePO4 Lithium Battery Pack
- Working Humidity: 65+20%RH
- Weight: 90KG
- Output Power Range: 10~20 Kwh
- Product Size(mm): 990mm*550mm*245mm
- Cycle: 3000~6000cycles @DOD 80%/25°C/0.5C
- Highlight: LifePO4 Solar Energy Storage System, 10~20 Kwh Solar Energy Storage System, High Capacity Solar Energy Storage System

DKL-ENERGY STORAGE LITHIUM BATTERY



More Images



Product Description

Product Description:

The Solar Energy Storage System represents a cutting-edge solution for individuals and businesses looking to harness the power of solar energy for reliable, efficient, and sustainable power management. As a premium battery storage system for solar applications, it offers an unparalleled combination of high performance, durability, and eco-friendliness. This product is designed to cater to the needs of those who are in pursuit of the best battery for solar power storage. Weighing in at a substantial yet manageable 90KG, this solar energy storage system is robust enough to handle the demands of both residential and commercial settings. Its substantial weight is indicative of the quality and capacity of the materials used, ensuring a long-lasting and reliable performance. The system operates optimally within a working humidity of $65\pm 20\%$ RH, which makes it suitable for a wide range of climatic conditions, thus offering versatility and adaptability to users in different geographic locations.

Holding prestigious certifications such as **CE, ROHS, UN38.3, MSDS, and DGC**, this solar energy storage system meets the highest standards of safety and environmental compliance. These certifications are a testament to the system's quality, reliability, and safety, giving users peace of mind that they are investing in a product that is recognized for its excellence and has passed rigorous testing and quality control processes.

With an impressive Output Power Range of 10 to 20 Kwh, the solar energy storage system stands as a powerful ally in the quest for energy independence and efficiency. It is capable of powering a wide array of appliances and equipment, making it a versatile solution for various energy needs. Whether you're looking to store excess solar energy generated during peak sunlight hours or provide a backup power source for times when the grid is down, this system is designed to meet your energy storage needs with reliability and efficiency.

The system's hybrid grid connection capability ensures that it can work seamlessly with the existing power grid, allowing users to store energy when electricity rates are low and use it during peak demand times when rates are higher, or when the grid is unavailable. This feature not only promotes energy independence but also results in significant cost savings, making it an economically smart choice for savvy consumers who are looking to optimize their energy consumption.

As the global push for renewable energy solutions gains momentum, this solar energy storage system is positioned as a leading option for those seeking the best battery for solar power storage. It is designed to integrate smoothly with solar panel installations, capturing and storing solar energy for use at any time. This enables users to maximize the use of their solar panels, reducing reliance on traditional energy sources and contributing to a greener, more sustainable future.

In conclusion, the Solar Energy Storage System is a high-end storage solution that offers durability, great performance, and environmental sustainability. Whether you're a homeowner looking to reduce your carbon footprint or a business aiming to achieve energy efficiency and sustainability goals, this battery storage system for solar is sure to exceed your expectations and provide a reliable power source for years to come. Invest in this system and take a significant step towards energy independence and a cleaner, renewable energy-powered future.

DKL-ENERGY STORAGE LITHIUM BATTERY

VERTICAL



Features:

Product Name: Solar Energy Storage System

Max of parallel: 15PCS

Nominal Voltage: 51.2V

Working humidity: 65+20%RH

Cycle: 3000~6000 cycles @DOD 80%/25°C/0.5C

Size: Customizable

Designed for solar power and battery storage applications

Reliable solar energy storage system

Efficient storage solution for solar energy systems

FEATURES AND DETAILS



Applications:

The **enook energy storage system**, originating from China, is a state-of-the-art solar power and battery storage solution designed to meet a vast array of energy needs. With its impressive **CE ROHS FCC UN38.3 MSDS certification**, the enook energy storage system ensures compliance with international safety and environmental standards, making it a reliable choice for consumers globally.

This solar energy storage system boasts a **customizable size** to suit various installation spaces and user requirements. Its **nominal voltage** stands at **51.2V**, with an **output power range** that stretches from **10 to 20 Kwh**, allowing for significant energy storage that can be utilized when sunlight is scarce or demand is high.

With a substantial weight of **90KG**, the enook system remains both durable and robust. It is engineered to handle up to **3000 to 6000 cycles at 80% depth of discharge (DOD)** at a steady temperature of 25°C and a charge-discharge rate of 0.5C, ensuring a long lifespan and consistent performance.

Application occasions and scenarios for the enook solar energy storage system are diverse. In residential settings, it can provide backup power during outages, reduce dependency on the grid, and lower electricity bills by storing excess energy generated from home solar panels. For commercial enterprises, it stabilizes energy costs and supports sustainable operations by enabling the storage and usage of solar energy during peak demand times, thus avoiding higher energy tariffs.

The system is also ideal for remote and off-grid locations where conventional electricity is inaccessible or unreliable. It can power critical infrastructure such as healthcare facilities, schools, and community centers, ensuring that essential services remain uninterrupted. In agricultural sectors, the enook system can store solar power to run farm equipment, irrigation systems, and provide lighting after sunset, enhancing productivity and efficiency.

Additionally, the enook solar energy storage system can be used in disaster relief scenarios, providing an immediate source of power for rescue operations and basic needs in areas affected by power outages. Its portability and ease of installation make it a valuable asset for emergency preparedness and response teams.

In summary, the enook solar energy storage system is a versatile and powerful solution for storing solar power, providing energy security and independence across a wide range of applications and scenarios. Its advanced technology, combined with customizable features and certified safety standards, make it an excellent investment in the future of sustainable energy.

PRODUCT CHARACTERISTICS



Greater energy



Ultra thin model



communication support



Highly customisable



Over temperature protection



Short circuit protection

PRODUCT SPECIFICATION



Customization:

Brand Name: enook

Model Number: energy storage system

Place of Origin: China

Certification: CE ROHS FCC UN38.3 MSDS

Grid Connection: Hybrid Grid

Protection Level: IP20

Battery Type: LifePO4 Lithium Battery Pack

Cycle: 3000~6000cycles @DOD 80%/25°C/0.5C

Weight: 90KG

Experience the future of domestic energy with the enook energy storage system. Our state-of-the-art **battery storage system for solar** is the perfect solution for your **house energy storage** needs. Engineered with precision and designed to seamlessly integrate with your existing solar panels, our **solar energy storage system** offers reliability and performance that is unmatched. Made in China with the highest level of certification, including CE ROHS FCC UN38.3 MSDS, the enook energy storage system guarantees safety and efficiency. The robust LifePO4 Lithium Battery Pack with a high cycle life of 3000~6000cycles @DOD 80%/25°C/0.5C ensures that your home is powered for years to come. With IP20 protection and a weight of 90KG, it is engineered for both durability and ease of installation. Choose enook for a greener, more resilient energy future.



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

Support and Services:

Our Solar Energy Storage System is designed to provide you with efficient and reliable service. To ensure the best performance of your product, we offer comprehensive technical support and services, including:

Installation Assistance: Our team can guide you through the installation process or recommend certified professionals to ensure your system is set up correctly and safely.

User Manuals and Guides: Access detailed documentation to help you understand your system's features and functions, facilitating a smoother operation.

Technical Support: Reach out to our technical support team for help with troubleshooting, system configuration, and any operational questions you may have.

Maintenance Services: We provide maintenance tips and schedules to prolong the lifespan of your storage system and ensure it performs at its best.

Warranty Support: Your Solar Energy Storage System comes with a warranty. For warranty claims or questions, our dedicated team is here to assist.

Software Updates: Stay up-to-date with the latest firmware and software enhancements to keep your system running smoothly and securely.

Product Training: We offer training sessions to help you and your team understand the full capabilities of your Solar Energy Storage System.

Our goal is to ensure your complete satisfaction with our product and services. Should you require further assistance, please refer to your user guide for contact options or visit our website for more information.

Packing and Shipping:

The Solar Energy Storage System is meticulously packaged in a robust, eco-friendly carton designed to ensure the safety and integrity of the product during transit. The storage unit is secured within custom foam inserts that provide cushioning and prevent movement, minimizing the risk of damage from shocks and vibrations.

Before shipping, the package is sealed with heavy-duty packing tape and clearly labeled with handling instructions and the contents' specifics. We use a reputable courier service with a proven track record for handling sensitive electronic equipment to guarantee the Solar Energy Storage System arrives at your location in pristine condition.

Upon dispatch, we provide you with a tracking number to monitor the shipment's progress. Please inspect the package upon arrival for any signs of tampering or damage before accepting the delivery. In the unlikely event of shipping damage, contact us immediately to initiate a claim and arrange a replacement or repair as necessary.

Company Introduction

Changsha Enpeak Technology Co., Ltd. located in an outstanding

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 batteries for more than 15 years. With its strength, it can provide customers with first-class software and hardware development and after-sales services.

Quality first is our principle, Satisfying all our customers is our tenet, win-win business is our aim. Dedicated to strict quality control and thoughtful customer service, our experienced staff members are always available to discuss each detailed requirements from customer and ensure full customer satisfaction.

In addition, we have obtained certificates. MSDS, UN38.3, MSDS, ROHS, UL, etc. All our products keep selling well not only around China, but also in USA, Philippines, Germany, England, Australia, Russia, France and other European and Asia countries. Fast delivery is one of our advantage, selecting a current product from catalogue, or customized products, 3~5 days 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**



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