

LifePO4 Lithium Battery Pack Solar Energy Storage System 51.2V Hybrid Grid IP20 10~20 Kwh

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

- Protection Level: IP20
- Battery Type: LifePO4 Lithium Battery Pack
- Size: Customizable
- Cycle: 3000~6000cycles @DOD 80%/25°C/0.5C
- Grid Connection: Hybrid Grid
- Max of Paralle: 15PCS
- Product Size(mm): 990mm*550mm*245mm
- Highlight: LifePO4 Solar Energy Storage System,
Hybrid Grid Solar Energy Storage System,
IP20 Solar Energy Storage System



More Images



Product Description

Product Description:

The Solar Energy Storage System is a state-of-the-art solution designed to enhance the efficiency and reliability of solar power generation for residential use. With its advanced technology and robust construction, the system is poised to revolutionize house energy storage, offering homeowners an efficient way to capture and utilize solar energy. This product summary will delve into the details of this innovative system, highlighting its certifications, warranty, weight, grid connection, and nominal voltage.

Certified with top-tier industry standards, the Solar Energy Storage System boasts the CE, ROHS, UN38.3, MSDS, and DGC certifications. These certifications are a testament to the product's adherence to the highest safety, environmental, and quality benchmarks. Consumers can rest assured that their solar power and battery storage needs are being met with a product that not only meets but exceeds the rigorous demands of global regulatory compliance.

Offering a substantial warranty of 5 to 10 years, this Solar Energy Storage System stands as a testament to its durability and the manufacturer's confidence in its long-term performance. This extended warranty period ensures that homeowners can invest in their solar infrastructure with the assurance that their best battery for solar power storage will be protected for a significant duration, securing their investment and providing peace of mind.

The system's substantial yet manageable weight of 90KG makes it a sturdy and reliable component in any residential solar setup. Despite its robustness, the weight has been optimized to allow for reasonable handling and installation flexibility. This ensures that the energy storage system can be integrated seamlessly with existing home structures and electrical configurations without the need for extensive modifications.

As a hybrid grid-connected solution, the Solar Energy Storage System offers unparalleled versatility. It is capable of operating both independently and in conjunction with the main power grid, providing homeowners with a resilient and adaptable energy storage solution. During peak sunlight hours, excess energy can be stored for later use or fed back into the grid, potentially offering financial incentives through net metering. This grid connection feature also means that in the event of grid instability, the system can act as a backup power source, ensuring continuous power supply and enhancing energy security.

The nominal voltage of 51.2V further underscores the system's capability to deliver powerful and stable performance. This optimal voltage level is designed to work efficiently with residential solar panel arrays, ensuring maximum energy conversion and storage efficiency. With its high nominal voltage, the system can handle the energy demands of most household appliances, making it an ideal component in a comprehensive house energy storage solution.

The integration of solar power and battery storage systems in residential settings is becoming increasingly important as the world shifts towards sustainable energy sources. The Solar Energy Storage System stands out as the best battery for solar power storage, providing an eco-friendly, reliable, and cost-effective way for homeowners to harness the power of the sun. By enabling the storage of solar energy for use during non-peak hours or inclement weather, this system helps in reducing dependence on fossil fuels and decreasing electricity bills.

In conclusion, the Solar Energy Storage System represents a significant leap forward in house energy storage technology. Its certifications and warranty provide assurance of its quality and longevity, while its weight and grid connection capabilities make it a practical choice for a wide range of households. With a nominal voltage that supports efficient energy storage and conversion, homeowners looking for the best battery for solar power storage need not look further than this cutting-edge system. It is a smart investment for those seeking to embrace a sustainable lifestyle, reduce their carbon footprint, and gain greater control over their energy usage.

DKL-ENERGY STORAGE LITHIUM BATTERY

VERTICAL



Features:

Product Name: Solar Energy Storage System

Certification: CE/ROHS/UN38.3/MSDS/DGC

Protection level: IP20

Nominal Voltage: 51.2V

Grid connection: Hybrid Grid

Weight: 90KG

Best battery for solar power storage

High-capacity solar energy storage system

Reliable and efficient best battery for solar power storage

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



Applications:

The **enook energy storage system** is designed to cater to a wide variety of applications and scenarios, aiming to provide a reliable and eco-friendly solution for house energy storage needs. With its advanced LifePO4 Lithium Battery Pack, the enook energy storage system ensures that your home remains powered even when the grid fails. Its Place of Origin is China, and it boasts certifications such as CE, ROHS, FCC, UN38.3, and MSDS, reflecting its compliance with international safety and quality standards.

One of the primary applications for the enook energy storage system is in residential settings, where homeowners are increasingly turning to solar power and battery storage to secure an uninterrupted power supply. With a weight of 90KG and a customizable size, the enook energy storage system can be tailored to fit the specific power requirements and space constraints of any home. Its protection level of IP20 also ensures that the system is safe for indoor use, providing peace of mind for families.

For households with solar panels, the enook energy storage system seamlessly integrates with existing solar power systems to capture excess energy generated during peak sunlight hours. This solar power and battery storage solution allows for the stored energy to be used at night or during power outages, maximizing the utility of solar investments and reducing reliance on the grid. The system's working humidity of $65\pm 20\%RH$ means it can operate efficiently in a wide range of climatic conditions.

Moreover, the enook energy storage system is not just limited to residential use. It is also applicable in various commercial and industrial scenarios where solar power and battery storage can lead to significant cost savings and provide a backup power source in case of emergency. Businesses can benefit from the enook energy storage system by harnessing solar energy to power operations, thereby reducing their carbon footprint and energy bills.

In remote areas without access to a stable grid, the enook energy storage system serves as a crucial component for electrification. Whether it's for rural homes, field research stations, or mobile medical units, the enook energy storage system provides a dependable source of electricity that is both sustainable and efficient. Its robust construction and proven certifications underscore its suitability for challenging environments.

In conclusion, the enook energy storage system is a versatile and robust solution for anyone looking to harness the power of solar energy and establish a reliable house energy storage system. Its adaptability to various environments and situations makes it an ideal choice for a wide array of users, from individual homeowners to large-scale industrial operations, all across the globe.



PRODUCT CHARACTERISTICS



Greater energy



Ultra thin model



communication support



Highly customisable



Over temperature protection



Short circuit protection

Customization:

Brand Name: enook

Model Number: energy storage system

Place of Origin: China

Certification: CE/ROHS/UN38.3/MSDS/DGC

Working humidity: 65+20%RH

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

Size: Customizable to fit your specific requirements, ensuring you have the best battery for solar power storage tailored to your needs.

Max of parallel: Can be expanded up to 15PCS, providing a robust solar power and battery storage solution.

Explore the reliable and efficient enook solar energy storage system, designed to offer the best battery for solar power storage. This advanced energy solution, originating from China, comes with a suite of certifications including CE/ROHS/UN38.3/MSDS/DGC, ensuring top quality and safety standards. With the capability to work within a humidity range of 65+20%RH and customizable sizes, the enook energy storage system is a superior choice for those seeking a scalable and personalized solar power storage system.

PRODUCT SPECIFICATION



Support and Services:

Welcome to our Product Technical Support and Services for the Solar Energy Storage System. Our support is dedicated to ensuring that your solar energy storage solution operates efficiently and reliably. We provide comprehensive technical support services designed to meet the needs of our diverse customer base.

Our services include:

Troubleshooting Assistance: Our team of expert technicians is available to help diagnose and solve any issues you may encounter with your Solar Energy Storage System.

Maintenance Support: We offer guidance on how to properly maintain your system to ensure peak performance and longevity.

Software Updates: Stay up-to-date with the latest software enhancements and improvements for optimal system functionality.

Installation Guidance: For new customers, we provide detailed instructions and support for the installation of your Solar Energy Storage System.

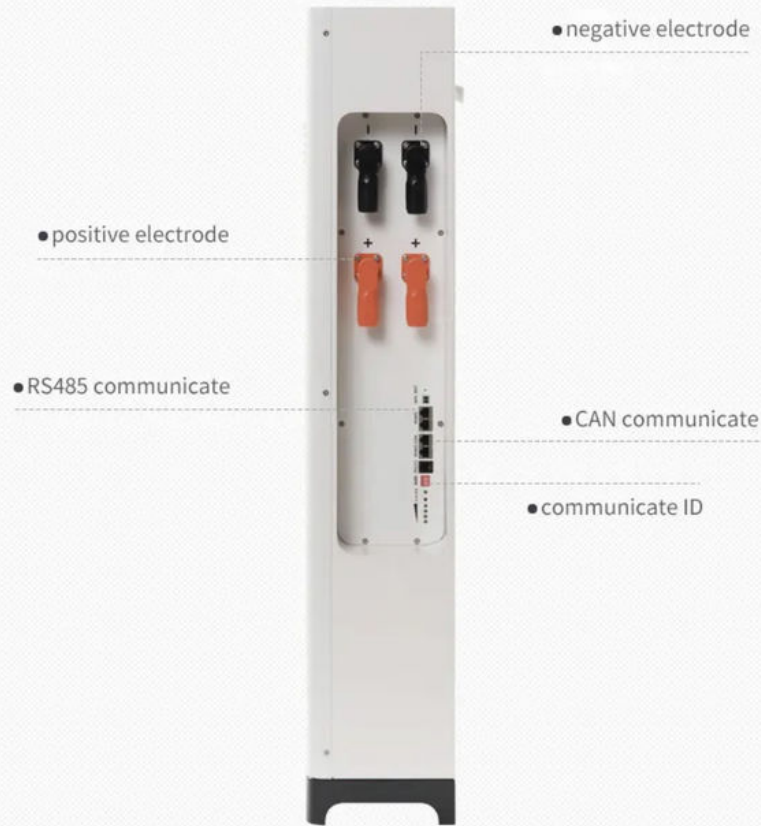
Warranty Service: Our products come with a comprehensive warranty, and we are committed to resolving any issues that fall under warranty coverage swiftly.

User Manuals and Documentation: Access to a full suite of documentation to help you understand and manage your system effectively.

Training Sessions: We offer training sessions to educate you and your team on the best practices for operating and maintaining your system.

If you need technical support, please consult the user manual for troubleshooting tips, or visit our website for more information and resources. Our goal is to provide you with the assistance and information you need to enjoy the full benefits of your Solar Energy Storage System.

FEATURES AND DETAILS



Packing and Shipping:

The Solar Energy Storage System should be securely packaged in a durable, weather-resistant outer container. The internal packaging must include shock-absorbing materials such as foam or bubble wrap to protect the components from damage during transit. All sensitive parts, like the battery and control modules, should be individually wrapped and cushioned. The package should be sealed with heavy-duty tape and clearly labeled with "Fragile" and "Handle with Care" to ensure proper handling.

For shipping, the package should be accompanied by a detailed packing list, including the quantity and description of the items contained within. It should be transported via a service that offers package tracking and delivery confirmation to ensure the prompt and secure arrival of the product. Consideration should be given to shipping methods that specialize in handling sensitive electronic equipment and that have experience with renewable energy products. Additionally, the shipment should be insured for its full value to protect against potential loss or damage during transport.

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



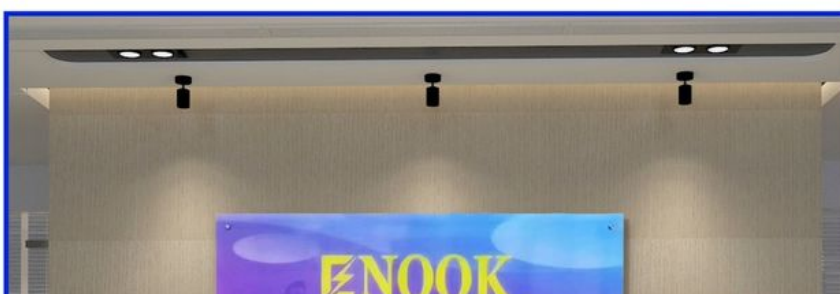
**OUR CERTIFICATES GIVE YOU RELIABLE
SUPPORT FOR YOUR ORDERS**



Company Introduction

Company Introduction

ShenZhen Enook Technology Co., Ltd company is professional manufacturer and supplier of lithium energy solutions, E-bike battery pack, which focus on manufacturing and designing of lithium cells and battery packs





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 products from catalogue, or customized products, 3~5 days is the normal time to prepare for the goods, OEM & ODM orders can be acceptable.

Quality is our life, price is our core competence, please don't hesitate to contact us if you have any requirement, we'll provide our best service to you.

Has passed CE certification and ROHS certification, excellent quality the company has obtained a number of patented technologies.



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