



329kWh Long-Lasting and High-Efficiency Lithium Battery Storage for Industrial and Commercial Applications

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: SHPN
- Certification: UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A
- Model Number: A329-BAT
- Minimum Order Quantity: 1 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



Product Specification

- Battery Type: Li-ion (LFP)
- Nominal Capacity (kWh): 329
- Cycle Life: >7000
- Cooling System: Air Cooling
- DC Voltage Range (Vdc): 1176 ~ 1491 (single String)
- Nominal Operation Current (A): 122.5
- Highlight: **industrial lithium battery storage, industrial commercial energy solutions, commercial lithium battery storage**

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Product Description

329kWh Long-Lasting and High-Efficiency Lithium Battery Storage for Industrial and Commercial Applications

1976~3948kWh

1000~2000kW

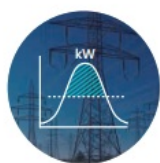
0.5C

1176~1491Vdc

Product Description:

The **M5-300kWh-1500V** energy storage system is a high-performance solution designed for demanding industrial and commercial energy needs. It combines advanced lithium iron phosphate (Li-ion LFP) technology with superior engineering to deliver long-lasting reliability, exceptional efficiency, and flexible scalability. With robust features like IP55 protection, anti-corrosion options, and wide operating temperature ranges, this system is equipped to operate in diverse and challenging environments. The M5-300kWh-1500V supports multiple functionalities, including peak shaving, energy shifting, self-consumption optimization, and backup power, making it a versatile choice for modern energy management.

| | |
|---|--|
| General Data | M5-300kWh-1500V |
| Dimension (W*D*H mm) | 1500*1300*2200 |
| Weight(tons) | 3.5 |
| Working Temperature Range(°C) | -40~55* |
| Protection Class | IP 55 |
| Altitude (m) | ≤4000 |
| Humidity (RH) | 0~95% |
| Fire Extinguishing | Aerosol |
| Cooling System | Air Cooling |
| Cooling System Consumption (kW,Cooling /Heating) | 5/3.7 |
| Aux.Power Consumption (kW,continuous/peak,incl.HVAC) | 2.35/4.26 |
| Max.Parallel No. | 5 |
| Anti-Corrosion | C3(C5 Optional) |
| Certification UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A | |
| Battery Data | |
| Battery Type | Li-ion (LFP) |
| Nominal Capacity (kWh) | 329 |
| Depth of Discharge | 98%(single string) |
| Continuous Operation C-rate | 0.5C |
| Cycle Life | >7000 |
| DC Voltage Range (Vdc) | 1176 1491 (single string) |
| Round-trip Efficiency@0.5C-rate | 96% |
| Nominal operation current (A) | 122.5 |
| Max.Operation Current (A) | 180 |
| Operation Mode | |
| Communication Type | RS485(MODBUS RTU)/LAN(MODBUS TCP/IP)/CAN |
| Operation Logic | Peak Shaving/Energy Shifting/Self-Consumption/Backup |



Peak Shaving



Energy Shifting



Self-Consumption



Backup

Applications

The M5-300kWh-1500V energy storage system is well-suited for various use cases:

Industrial Peak Shaving: Reduce electricity costs by balancing peak demand and improving operational efficiency in factories and industrial

facilities.

Renewable Energy Integration: Enhance the efficiency of renewable energy systems by storing excess energy from solar or wind power and utilizing it during periods of low production.

Backup Power Solutions: Provide a dependable source of backup energy for critical applications like hospitals, telecom infrastructure, and data centers to ensure continuous operations during outages.

Commercial Energy Management: Optimize energy usage and reduce dependency on the grid for large-scale commercial buildings, shopping malls, and offices.

Microgrid and Remote Applications: Enable stable power supply in microgrid configurations or remote areas with inconsistent grid access, supporting energy independence and resilience.

Energy Arbitrage Opportunities: Take advantage of price fluctuations in the energy market by charging during off-peak hours and discharging during peak pricing periods to maximize financial benefits.

Shipping Methods

Supports global air and sea shipping

If you require more detailed product information or have customized requests, please contact us. Providing efficient service that satisfies our customers is our responsibility.



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