



## 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**

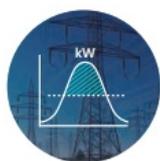
**0.5C**

**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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