



## 172-1565kWh Multiple Integrated Lithium Battery Storage For Remote Areas Outdoors, Comercial Or Industrial Use

### 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/UL9540AG99,VDE-AR-N 4105/EN 50549-1/EN 50549-10/IEFS 2018.2/IEC 62116/IEC 61727/IEC60068/IEC61683/EN 50530
- Model Number: A300-HY
- 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: 313 KWh
- Cycle Life: >7,000 Cycles
- Round-trip Efficiency: 96% (@ 0.5C-rate)
- Protection Class: IP55
- Highlight: **industrial lithium battery storage ,  
industrial commercial energy solutions,  
ip55 lithium battery storage**

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## Product Description

### 172-1565kWh Multiple Integrated Lithium Battery Storage For Remote Areas Outdoors, Comercial Or Industrial Use



**172~1565kWh**



**50~500kW**



**0.5C**



**560~720Vac**

#### Product Introduction:



**Wide Temp  
Range**



**Ancillary  
Service**



**Electricity  
Arbitrage**



**Demand  
Response**



**Backup**

The M5-300kWh-1000V energy storage system is a high-capacity, advanced lithium iron phosphate (LFP) energy storage solution designed to meet diverse energy storage needs in both industrial and commercial applications. Combining state-of-the-art technology with robust engineering, this system is ideal for organizations seeking reliable, efficient, and sustainable energy management solutions.

#### Key Parameters

##### Battery Capacity and Longevity:

Battery Type: Li-ion (LFP)

Nominal Capacity: 313 kWh

Cycle Life: >7,000 cycles

##### Efficiency:

Round-trip Efficiency: 96% (@ 0.5C-rate)

CEC Efficiency: Up to 97.8%

##### Environmental Adaptability:

Operating Temperature: -20°C to 55°C

Protection Class: IP55

Altitude: ≤3000 m

##### Structure and Size:

Dimensions (W×D×H): 1500×1300×2200 mm

Weight: 3.5 tons

##### Safety and Certification:

Fire Extinguishing: Aerosol

Certifications: UN38.3, IEC62619, UL9540A, CE, UKCA, and more

##### Communication and Modes:

Communication: RS485, LAN (MODBUS TCP/IP), CAN

Operation Modes: Peak Shaving, Energy Shifting, Self-Consumption, Backup

#### Application Scenarios

##### Industrial Peak Shaving:

Ideal for manufacturing facilities and industrial parks where electricity costs can be reduced by managing peak demand effectively.

##### Commercial Energy Management:

Perfect for commercial buildings, shopping malls, and data centers aiming to optimize energy usage, reduce operational costs, and ensure uninterrupted power supply.

##### Renewable Energy Integration:

Facilitates the storage of excess energy generated from renewable sources like solar or wind, enabling users to maximize green energy utilization and achieve sustainability goals.

##### Backup Power Supply:

Provides reliable backup power for critical infrastructures such as hospitals, telecom stations, and government facilities, ensuring operational continuity during grid outages.

##### Microgrid Applications:

An essential component for microgrids in remote areas or regions with unstable grids, supporting energy independence and resilience.

##### Energy Arbitrage:

Allows energy storage and discharge during off-peak and peak hours respectively, optimizing electricity costs and increasing revenue potential for users in liberalized energy markets.

	Min. configuration
	Optional configuration
	Standard configuration

		System configuration							
Inverter Type		50kW							
Inverter QTY		1	2	3	4	5	6	8	10
Cabinet QTY	kWh	50	100	150	200	250	300	400	500
A300-HY	1 172								
	1 313								
	2 626								
	3 939								
	4 1252								
	5 1565								

### Conclusion

The M5-300kWh-1000V is an advanced and adaptable energy storage solution engineered to address the dynamic energy needs of modern industries and businesses. With superior efficiency, scalability, and safety, it provides a comprehensive system for energy optimization, cost reduction, and environmental sustainability.

### 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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