



3.3MWh High-Performance Lithium Battery Storage System with 40 kW Aux.Power Consumption

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: SHPN
- Certification: IEC62477-1 / IEC62040-1 / IEC62619 / IEC63056 / UKCA / CE LVD / CE EMC / UN38.3 / VDE-AR-E 2510-50
- Model Number: L3300-BAT
- Minimum Order Quantity: 1 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



Product Specification

- System Capacity (kWh): 3317
- DC Voltage Range (Vdc): 1036.8~1382.4
- Life Cycle: >8500
- Depth Of Discharge: 98% (single String)
- Dimension (W*D*H Mm): 6058*2438*2896
- Highlight: **Lithium Battery Storage,
Lithium Battery Storage,
Lithium Battery Storage**

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Product Description

3.3MWh High-Performance Lithium Battery Storage System with 40 kW Aux.Power Consumption

Product Description:



1670~3300kWh



1C



1500~3300kW



1036~1382Vdc



Extraordinary Performance



Flexible Configuration



Easy Set-up & Maintenance



High C rate

The **M8-20ft-3.3MWh** energy storage system is a high-capacity, cutting-edge solution designed for large-scale energy storage applications. With an impressive 3317 kWh capacity and a wide DC voltage range of 1036.8 to 1382.4 V, it provides exceptional performance for grid-level operations and critical backup systems. Equipped with advanced liquid cooling technology and a robust design, it operates reliably in temperatures ranging from -20°C to 50°C, ensuring consistent efficiency and safety. The system is certified under global standards such as IEC62477 and UL9540A, making it a dependable choice for demanding environments. With aerosol fire suppression and optional C3H/C5 anti-corrosion features, the M8 system offers unparalleled safety and durability.

Battery System	M8-20ft-3.3MWh
System Capacity(kWh)	3317
DC Voltage range (Vdc)	1036.8~1382.4
Life Cycle	>8500
Depth of Discharge	98%(single string)
Dimension(W*D*H mm)	6058*2438*2896
Weight (tons)	30
Protection Class	IP55
Altitude (m)	≤3000
Humidity(RH)	95%
Cooling System	Liquid Cooling
Cooling System Consumption(kW)	120
Aux.Power Consumption(continuous/peak,incl.HVAC) (kW)	40
Working Temperature Range(°C)	-20~50*
Fire Extinguishing	Aerosol
Communication Type	RS485/CAN/Ethernet
Operation Logic	Ancillary Service/Electricity Arbitrage/Demand Response/Backup
Certification*	IEC62477-1/IEC62040-1/IEC62619/IEC63056/UK CA/CE LVD/CE EMC/UN38.3/VDE-AR-E 2510-50
Anti-Corrosion	C3H(C5 Optional)

Application Scenarios



Ancillary Service



Electricity Arbitrage



Demand Response



Backup

Grid-Scale Energy Balancing:

The M8-20ft-3.3MWh system is tailored for utility-scale energy balancing, seamlessly integrating into the grid to manage energy peaks and valleys. Its high capacity and efficiency enable operators to stabilize the grid, reduce outages, and optimize energy distribution.

Critical Infrastructure Backup:

Designed for hospitals, data centers, and other essential facilities, this system ensures uninterrupted power supply during emergencies. Its robust design, including IP55 protection and advanced liquid cooling, provides reliable performance under the most challenging conditions.

Renewable Energy Storage:

The system excels in renewable energy applications by storing surplus energy from wind and solar farms. Its high cycle life (>8500) and deep discharge capability (98%) ensure maximum energy utilization, supporting sustainable energy transitions.

Industrial Energy Independence:

For industries with high energy demands, the M8 system offers a reliable solution for peak shaving and energy cost reduction. Its modular design and advanced communication protocols (RS485, CAN, Ethernet) ensure easy integration into existing industrial systems.

The **M8-20ft-3.3MWh** energy storage system represents the pinnacle of modern energy storage solutions, delivering unmatched performance,

reliability, and adaptability to meet the evolving demands of global energy management.

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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