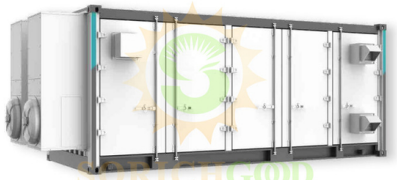
2963KWh 1218-1491 V High DC Voltage Range in Lithium Battery Storage for Large-Scale Energy Demands and Industrial Power

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: SHPN
- Certification: UL1973/UL9540A/UL9540/IEC62477-1/IEC62 040-1/IEC62619/IEC63056/UKCA/CE LVD/CE EMC/UN38.3/VDE-AR-E 2510-50
- Model Number: A2900-BAT
- Minimum Order Quantity: 1 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



CONTAINER A2900-BAT

Product Specification

- System Capacity (kWh): 2963.52
- DC Voltage Range (Vdc): 1218~1491
- Life Cycle: >7000
- Depth Of Discharge: 98% (single String)
- Dimension (W*D*H Mm): 6058*2438*2591
- Protection Class: IP55
- Highlight: **industrial lithium battery storage**, **industrial commercial energy solutions**, **ip55 lithium battery storage**

Our Product Introduction

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Product Description

2963KWh 1218-1491 V High DC Voltage Range in Lithium Battery Storage for Large-Scale Energy Demands and Industrial Power

2900kWh

0.5C

1000~1500kW

1218~1491Vdc

Flexible Configuration

Superior Safety

Long Time Backup

Easy Set-up & Maintenance

Product Description:

The **M5-20ft-2.9MWh** energy storage system is an advanced, high-capacity solution engineered for grid-level energy storage and industrial power applications. With an impressive system capacity of 2963.52 kWh and a high DC voltage range of 1218~1491 V, this system is optimized for large-scale energy demands. Featuring a fan cooling system and operating reliably in temperatures from -20℃ to 50℃, the M5-20ft-2.9MWh offers exceptional durability and efficiency. It incorporates global safety certifications such as UL9540A and IEC62619, ensuring compliance with international standards. The compact 20-foot containerized design allows for easy transportation and installation, while its advanced fire suppression and optional anti-corrosion features enhance safety and adaptability in diverse environments.

Battery Data	M5-20ft-2.9MWh
System Capacity (kWh)	2963.52
DC Voltage range (Vdc)	1218~1491
Life Cycle	>7000
Depth of Discharge	98%(single string)
General Data	
Dimension (W*D*H mm)	6058*2438*2591
Weight(tons)	30.5
Protection Class	IP55
Altitude(m)	≤4000
Humidity (RH)	5%~95%
Cooling System	Fan Cooling
Cooling System Consumption (kW)	40
Aux.Power Consumption(continuous/peak,incl.HVAC(kW)	30
Working Temperature Range(℃)	-20~50*
Fire Extinguishing	Perfluoro
Communication Type	RS485CANEthernet
Operation Logic	Peak Shaving/Energy Shifting/Self-Consumption
Certification	UL1973/UL9540A/UL9540/IEC62477-1/IEC62040-1/IEC62619/IEC63056/UKCA/CELVD/CE EMC/UN38.3/VDE-AR-E2510-50
Anti-Corrosion	3H(C5 Optional)

Application Scenarios

Peak Shaving

Energy Shifting

Self-Consumption

Utility-Scale Renewable Energy Storage:

The M5-20ft-2.9MWh system is ideal for large renewable energy projects, efficiently storing solar or wind power during high generation periods and releasing it during demand peaks. Its high capacity and performance metrics make it a valuable addition to grid-scale renewable energy infrastructure.

Industrial Peak Shaving and Load Management:

Designed for industrial facilities with fluctuating energy needs, this system reduces energy costs by managing peak loads effectively. With a robust fan cooling system and IP55 protection, it performs reliably even in demanding industrial environments.

Critical Infrastructure Backup:

The M5-20ft-2.9MWh system ensures uninterrupted power supply for mission-critical applications such as hospitals, airports, and data centers. Its perfluoro fire suppression and durable construction provide enhanced safety and reliability in emergencies.

Microgrid and Remote Area Power Supply:
For remote locations or off-grid microgrids, this system offers a sustainable and reliable energy solution. Its scalability and compatibility with various communication protocols (RS485, CAN, Ethernet) enable seamless integration into decentralized power systems.
The **M5-20ft-2.9MWh** energy storage system is a cutting-edge solution that combines safety, scalability, and high performance, meeting the evolving needs of modern energy storage applications with ease.

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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