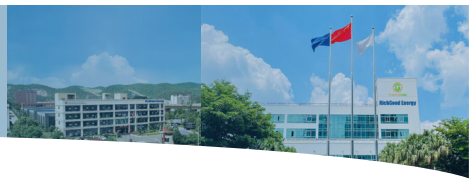

2069.76 kWh Capacity and 1 MW Power Output Lithium Battery Storage System for Grid-Scale and Industrial Energy Applications

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 CE LVD/ IEC 62477/ CE EMC/ IEC 61000/ EN 50549-1:2019/ G99/ AS4777
- Model Number: A2000-OMNI
- Minimum Order Quantity: 1 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online

CONTAINER A2000-OMNI

Product Specification

- System Capacity (kWh): 2069.76
- DC Voltage Range (Vdc): 638~781 (single String)
- Life Cycle: >7000
- Depth Of Discharge: 98% (single String)
- Dimension (W*D*H Mm): 6058*2438*2896
- Protection Class: IP55 ≤4000
- Highlight: **43.2V 2203Wh Outdoor Cabinet F2 5kW 6kW Lithium , 43.2V 2203Wh Portable Power Station, 43.2V 2203Wh 499.5Wh Remote Workstation Supportive**

Our Product Introduction

for more products please visit us on fuhaosolar.com

Product Description

2069.76 kWh Capacity and 1 MW Power Output Lithium Battery Storage System for Grid-Scale and Industrial Energy Applications

1207~2070kWh | 0.5C

250~1000kW | 400Vac

All in One System | Flexible Configuration

Easy Set-up & Maintenance

Product Description:

The **M5-20ft-1MW/2MWh** energy storage system is a robust, high-capacity solution designed for grid-scale and industrial energy applications. With a system capacity of 2069.76 kWh and dual PCS units delivering 1 MW power output, this containerized system ensures high performance and reliability for demanding energy needs. The advanced air cooling system, coupled with a wide working temperature range (-20℃ to 50℃), allows the system to operate efficiently in diverse climates. Certified under global standards, including IEC and UL, and equipped with perfluoro fire suppression technology, the M5 system prioritizes safety, longevity, and operational stability. Its modular 20-foot container design offers easy deployment and scalability, making it a perfect fit for large-scale energy projects.

Battery Data	M5-20ft-1MW/2MWh
System Capacity (kWh) 2069.76	
DC Voltage range (Vdc)	638~781(single string)
Life Cycle >7000	
Depth of Discharge	98%(single string)
General Data	
Dimension(W*D*H mm)	6058*2438*2896
Weight(tons)	28
Protection Class	IP55
Altitude(m)	≤4000
Humidity (RH)	5%~95%
Cooling System	Air Cooling
Cooling System Consumption (kW) 40	
Aux.Power Consumption (continuous/peak,incl HVAC)(kW) 30	
Working Temperature Range(C)	-20~50*
Fire Extinguishing	Perfluoro
Communication Type	RS485CANEthernet
Operation Logic Peak Shaving/Energy Shifting/Self-Consumption	
Certification	UN38.3/UN 3480/IEC62619/IEC62040-1/CE/UKCA(EMC/RED)/VDE2510-50/UL1973/UL9540A CE LVD/ IEC 62477/ CE EMC/ IEC 61000/ EN 50549-1:2019/ G99/ AS4777
Anti-Corrosion	C3H(C5 Optional)
PCS DC/AC Data On-grid Mode	
PCS number	2
Rated AC Power(kW)	500
Rated AC Output Voltage(Vac)	400±15%
Rated AC Output Frequency (Hz)	60±25
Max AC Current (A)	0~720
Overload Capacity	125%~150%@200ms
AC PF	0.8~1 leading or lagging
CEC Efficiency@0.5C-rate	97%
IsolationType	Non isolated type

Peak Shaving

Energy Shifting

Self-Consumption

Min. configuration

Optional configuration

Standard configuration

	System configuration					
	AC Connection			3P3W, 400Vac, 50/60Hz		
	Racks QTY	Strings QTY	kW / kWh	250	500	1000
A2000-OMNI	4	7	1207			
	4	8	1380			
	5	9	1552			
	5	10	1724			
	6	11	1897			
	6	12	2070			

Application Scenarios

Grid Balancing and Peak Load Management:
The M5 system is ideal for utility providers seeking efficient grid stabilization. Its rapid response capabilities and 97% efficiency ensure optimized energy shifting and peak shaving, addressing fluctuations in energy demand and supply.
Industrial Energy Independence:
For large industrial operations, this system provides a reliable power source, reducing dependence on grid electricity. With a durable IP55 protection class and anti-corrosion options (C3H/C5), it is suited for heavy-duty environments, including remote mining or manufacturing sites.
Renewable Energy Integration:
Seamlessly integrates with renewable energy sources like solar and wind, storing excess energy during peak production and dispatching it during demand surges, enhancing the overall efficiency and reliability of renewable energy systems.
Emergency and Backup Power:
Equipped with robust fire suppression and advanced cooling, the M5 system ensures uninterrupted power supply for critical infrastructures, including hospitals, data centers, and telecom networks, even in extreme conditions.
The **M5-20ft-1MW/2MWh** energy storage system is a versatile, future-proof solution that combines high capacity, safety, and adaptability to meet the complex demands of modern energy systems.

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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