



## 1034KWh Robust Safety Features Lithium Battery Storage for Industrial and Utility-Scale Needs

### 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: A1000-OMNI
- Minimum Order Quantity: 1 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



CONTAINER A1000-OMNI

#### Product Specification

- System Capacity (kWh): 1034.88
- Life Cycle: >7000
- DC Voltage Range (Vdc): 638~781 (single String)
- Depth Of Discharge: 98% (single String)
- Protection Class: IP54
- Highlight: **114.72kWh To 186.42kWh Lithium Battery,  
Dual CPU Intelligent Central Inverters  
Humanized Operation**  
,  
**Lightweight 0.16W Polycrystalline Battery  
Charger Gadgets**

## Product Description

### 1034KWh Robust Safety Features Lithium Battery Storage for Industrial and Utility-Scale Needs



**690~1035kWh**



**250~500kW**



**0.5C**



**400Vac**

#### Product Description:



**All in One Solution**



**Superior Safety**

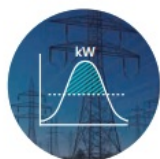


**Long Time Backup**

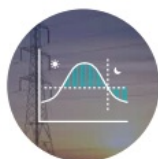


**Easy Set-up & Maintenance**

The **M5-10ft-500kW/1MWh** energy storage system is a high-capacity, modular solution designed to address large-scale energy management needs. With a system capacity of 1035 kWh and a rated AC power output of 500 kW, it offers superior performance for industrial and utility-scale applications. Its air cooling system and wide working temperature range of -20°C to 50°C ensure reliability in diverse environments. Certified under international standards such as IEC62619, UL1973, and EN50549, the M5 system provides robust safety features, including aerosol fire suppression and optional C5-level anti-corrosion for harsh environments. Its 7000+ cycle life and high round-trip efficiency make it an ideal choice for long-term energy storage needs.



**Peak Shaving**



**Energy Shifting**



**Self-Consumption**

Battery Data M5-10ft-500kW/1MWh	
System Capacity (kWh)	1035
DC Voltage range(Vdc)	638~781(single string)
Life Cycle >7000	
Depth of Discharge	98%(single string)
General Data	
Dimension (W*D*H mm)	2991*2438*2896
Weight (tons)	13
Protection Class	IP54
Altitude(m)	≤4000m
Humidity(RH)	5%~95%
Cooling System	Air Cooling
Cooling System Consumption(kW)	15
Aux.Power Consumption(continuous/peak,incl.HVAC)(kW)	16
Working Temperature Range(°C)	-20~50*
Fire Extinguishing	Aerosol
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	
Rated AC Power(kW)	500
Rated AC Output Voltage (Vac)	400±15%
Rated AC Output Frequency (Hz)	50/60±2.5
Max AC Current (A)	760

Overload Capacity	125%~150%@200ms
AC PF	0.8~1 leading or lagging
CEC Efficiency@0.5C-rate	97%
Isolation Type	Non isolated type

Min. configuration
Optional configuration
Standard configuration

System configuration					
A1000-OMNI	AC Connection			3P3W, 400Vac, 50/60Hz	
	Racks	Strings	kW	250	500
	QTY	QTY	kWh		
	2	4	690		
	3	5	862		
	3	6	1035		

### Application Scenarios

#### Flexible Grid Support for Renewable Integration:

The M5-10ft-500kW/1MWh system is optimized for renewable energy projects, providing seamless energy shifting and storage for solar and wind farms. Its high power output and rapid response capability make it perfect for managing intermittent renewable energy sources, stabilizing grid frequency, and improving energy dispatch reliability.

#### Urban and Industrial Peak Shaving:

Designed for dense urban environments and industrial operations, the M5 system significantly reduces energy costs by flattening demand peaks and optimizing off-peak energy usage. Its compact 10ft container design, coupled with IP54 protection and high altitude capability (up to 4000m), allows for easy deployment in both metropolitan and remote industrial locations.

With cutting-edge technology and a versatile design, the M5-10ft-500kW/1MWh energy storage system sets a new standard in efficient, reliable, and scalable energy management solutions.

### 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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