



Stable and Consistent Operation with 0.5P Nominal Charge/Discharge Rate 3.404MWh Lithium Battery Storage

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: SHEL
- Certification: UN38.3
- Model Number: 404WS
- Minimum Order Quantity: 1 unit
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T
- Supply Ability: consult online



Product Specification

- Configuration: 10P380S
- Rated Energy: 3.404MWh
- Rated Voltage: 1216Vdc
- Ingress Rating: IP55
- Dimensions(W*D*H): 6,058 Mmx2,438mmx3,100mm
- Compliance: UN38.3
- Highlight: **ip55 lithium battery storage,**
ip55 commercial energy solutions

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Product Description







Stable and Consistent Operation with 0.5P Nominal Charge/Discharge Rate 3.404MWh Lithium Battery Storage

The 20-ft air-cooled ESS container product integrates PACK, EMS, BMS, HVAC, fire safety system into one container. It has the advantages of high energy density, easy transportation & installation, and high protection level. The DC output can combine with PCS-boost container to realize AC network connection at medium/high voltage. It can be applied to the generation side, grid side, and ESS applications with high power and energy capacity requirements.

Product Description

The **3.404MWh Energy Storage System** is a powerful and versatile solution designed for mid-to-large-scale energy applications. Built with a robust **10P380S configuration** and a rated voltage of **1216Vdc**, this system ensures high energy density and efficient performance for demanding use cases. Its wide voltage range of **1064~1368Vdc** supports flexible integration with diverse power infrastructures, while the nominal charge/discharge rate of **0.5P** ensures stable and consistent operation. The system's advanced safety features include **NOVEC1230, aerosol, and water-based fire suppression technologies**, providing unparalleled protection for critical assets.

Designed for harsh environments, the system operates efficiently within a temperature range of **-25°C to 55°C** and is encased in a durable **IP55-rated enclosure** to withstand challenging conditions. The **forced air cooling system** ensures optimal thermal regulation, and its compact design (dimensions: **6,058 mm x 2,438 mm x 3,100 mm**) allows for easy deployment and scalability. With global compliance certifications such as **UN38.3**, this energy storage system combines safety, reliability, and high performance to meet modern energy demands.

 Safe & Reliable High-end and ESS-specific LFP cells to achieve high energy density, long cycle life and non-spontaneous combustion.	 Economical & Efficient Low system cost, high charge/discharge efficiency, support various ESS applications
 Smart Cooling Smart cooling ensures temperature difference not over 8°C.	 Smart O&M Triple-level BMS achieves real-time monitoring and control of core from battery, PCS, HVAC, fire safety etc., EMS achieves remote monitoring and control to reduce cost and improve maintainability.
 String Design Cooperate with modular PCS to eliminate battery system inconsistency caused by parallel connection of cells	 Precise Temp Control One-cluster-one-air-conditioning achieves accurate temp control for battery consistency and modular temp strategy.

Item	Specification
Configuration	10P380S
Rated Energy	3.404MWh
Rated Voltage	1216Vdc
Voltage Range	1064~1368Vdc
Nominal Charge/Discharge Rate	0.5P
Operating Temperature	-25°C~55°C
Fire Safety	NOVEC1230/aerosol+water
Ingress Rating	IP55
Cooling	Forced air cooling
Altitude	≤2,000m (derating above 2,000m)
Dimensions(W*D*H)	6,058 mmx2,438mmx3,100mm
Compliance	UN38.3

Application Scenarios

Industrial Energy Optimization:

The **3.404MWh Energy Storage System** is ideal for industrial facilities looking to optimize energy usage and reduce costs. It supports **peak shaving** and **demand response**, enabling businesses to manage electricity consumption efficiently while avoiding high energy charges during peak demand periods. Its robust configuration and advanced fire safety features make it particularly suitable for heavy-duty industries where safety and reliability are paramount.

Renewable Energy Stabilization:

This system is designed to complement large-scale renewable energy projects, providing a reliable buffer for storing surplus solar or wind energy. Its wide voltage range and high energy capacity allow for seamless integration with renewable energy systems, stabilizing grid input and ensuring consistent power supply during periods of low generation. The system's advanced cooling and environmental protection features ensure long-term performance, even in remote or off-grid installations.

The **3.404MWh Energy Storage System** sets a new benchmark in energy management, offering a robust, scalable, and safe solution for industries and renewable energy providers aiming to enhance efficiency and sustainability.

Shipping Methods

Supports global air and sea shipping.





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