



215kWh Industrial And Commercial Energy Solutions LSIS Lithium Battery Storage

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: GB/T36276 IEC62619 IEC60730 UL1973 UL9540A
- Model Number: LSIS
- Minimum Order Quantity: 2 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T

ALL-in-one Outdoor Liquid-cooling Energy Storage System

LSIS 100KW215KWH



Applicable regions and user characteristics

- Large electricity consumers in industrial parks, smart parks, production factories, etc.
- Areas with independent powertrains and significant price difference between peak and off-peak electricity rates.
- Regions with large industrial daytime electricity consumption and significant fluctuations in load curves during the day.

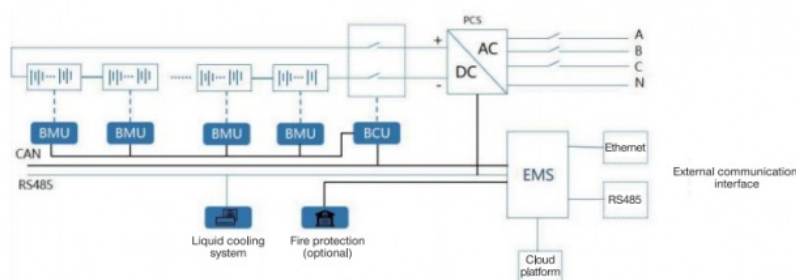
Product Specification

- Rated Energy: 215kWh @ 0.5C
- Rated Power: 100kW
- Battery Type: Lithium Iron Phosphate (LiFePO₄), 3.2V/280Ah Cells
- Maximum Discharge Current: 173A
- Operating Temperature: -20°C To +55°C
- Cooling Method: Liquid Cooling
- Protection Level: IP55
- Cycle Life: 6000 Times @ 0.5C
- Highlight: **LSIS Lithium Battery Storage,
215kWh Lithium Battery Storage,
IP55 commercial energy solutions**

Product Description

215kWh Industrial and Commercial Energy Solutions LSIS Lithium Battery Storage

Schematic Diagram



Product Description:

The LSIS 100kW215kWh is a high-capacity energy storage system designed to provide industrial and commercial users with efficient, long-lasting, and secure energy solutions. With a rated energy of 215kWh and rated power of 100kW, it is engineered for on-grid and off-grid applications, offering reliable energy backup and peak shaving capabilities. It features advanced liquid cooling technology and a robust IP55-rated enclosure, making it suitable for outdoor use. The system's modular design allows easy expansion, and it integrates seamlessly with existing infrastructure, supporting up to 10 parallel units.

High Security

- Safe long-life battery cells, fully certified
- IP55, multiple protections
- Battery pack meets North America's UL9540A and NFPA 855 standards
- Thermal runaway of battery cells will not propagate
- No circulating current within a single cluster, no short-circuit between clusters

Longevity

- Battery cycle life can reach up to 6000 times
- Uniformity within <1.6 degrees to increase battery cycle life by 30%
- Liquid cooling mode for longer lifespan
- Designed for a standard operating life of 15 years

Easy Configuration

- Easily expandable with parallel machines at any time
- Integrated transportation for easy installation
- Flexible site layout
- Modular design for easy maintenance and upgrades

On-grid and Off-grid

- Supports both grid-connected and off-grid parallel operation with anti-backflow function
- The number of parallel machines can be expanded at any time

High Efficiency

- Single discharge capacity exceeds 200kWh, with two charge and two discharge cycles, reaching up to 400kWh
- After 10 years, the energy retention rate is still 70% (with two charge and two discharge cycles)

Product Type	LSIS 100KW215KWH
Rated Energy	215kWh@0.5C
Rated Power	105kW
Rated Output Voltage	380/400VAC
Cell Capacity	280Ah
Cell Type	GSP71173204F,3.2V280Ah
Configuration	1P 240S
Maximum Discharge Current	173A
Maximum Charging Current	173A
Frequency	50/60
Operating Temperature Range	-20~+55°C
Communication Port	LAN,RS485
Cooling Method	Liquid Cooling
Protection Level	IP55
Functional Safety	Class B
Product Weight	≈2900kg
Dimensions	W1300*D1300*H2285 mm
LifeCycle	6000 times

Testing&Certification



GB/T36276



IEC62819



IEC60730



UL1973



UL9540A

Remarks: Specifications are subject to change without notice; Special voltage and power requirements can be customized designed.

Application:

This product is ideal for large electricity consumers, including industrial parks, production facilities, and smart parks. It is also suited for areas with significant differences between peak and off-peak electricity rates, ensuring energy efficiency and cost savings. Its ability to support both grid-connected and off-grid operations makes it a versatile solution for various energy storage needs in microgrids, data centers, and other high-demand environments.

Applicable regions and user characteristics

- Large electricity consumers in industrial parks, smart parks, production factories, etc.
Areas with independent transformers and significant price differences between peak and off-peak electricity rates.
- Regions with large industrial dual-rate electricity consumption and significant fluctuations in load curves during the day.



Shipping Methods

Supports global air and sea shipping.



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