



Constant Power Supply with LSRW Lithium Battery Storage for Homes

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE, IEC62619, UL1973, UN38.3
- Model Number: LS RWES
- Minimum Order Quantity: 10 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



Product Specification

- Nominal Voltage: 51.2V
- Nominal Capacity: 100Ah / 120Ah / 150Ah
- Nominal Energy: 5.12kWh / 6.14kWh / 7.68kWh
- Usable Energy: 5.0kWh / 6.0kWh / 7.5kWh
- Max Continuous Discharge Current: 80A / 108A / 150A
- Peak Discharge Power: 15kW / 24kW
- Cycle Life: ≥6000 Cycles @ 80% DOD
- Communication: RS485 / CAN
- Highlight: 150a lithium battery storage,
100ah lithium battery storage,
150a commercial energy solutions

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Product Description

Constant Power Supply with LSRW Lithium Battery Storage for Homes

Residential Wall-mounted Energy Storage

LSRW series battery packs are wall-mounted residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with a mainstream inverter in different scenarios to save your electrical bill & back-up your power during grid outage or unavailable.

Features



Safety

High safety LiFePO₄ battery; Fire-safe, non-toxic; Lithium ferrous phosphate (LFP) cells. Meet UL1973, IEC62619 UN38.3 certification



Long-lasting

15 years life design.
Long cycle life and superior performance



Flexible

Long cycle life (>6000 cycles @ 80% DOD)
Wall mounted



Wide compatibility

Compatible with multiple brands of mainstream inverter use



Environment protection

Non-toxic and pollution-free



Smart WiFi

Support wifi APP and cloud platform monitor

Product Description

The LSRW series of residential wall-mounted lithium battery packs are specifically designed for energy storage applications in residential settings. Featuring advanced LiFePO₄ technology, these batteries offer high safety, long-lasting performance, and compatibility with a wide range of inverters. With a focus on energy efficiency and sustainability, the LSRW series provides reliable backup power during grid outages or unstable power conditions. The system supports seamless integration with various residential energy storage systems, ensuring cost-effective electricity management and uninterrupted power supply.

Items	LSRW51V100AH-HLFP	LSRW51V120AH-LFP	LSRW51V150AH-LFP
Nomina voltage	51.2V	51.2V	51.2V
Nominalcapacity	100Ah	120Ah	150Ah
Nominal energy	5.12kWh	6.14kWh	7.68kWh
Usable energy	5.0kWh	6.0kWh	7.5kWh
Recommendedcharge current	50A	60A	75A
Max.continuous charge current	80A	100A	120A
Max.continuous discharge current	80A	108A	150A
Peak dischargecurrent	300A/3s	500A/3s	500A/3s
Max.continuous discharge power	5kW	6kW	6kW
Peak discharge power	15kW/3s	24kW/3s	24kW/3s
Self-discharge rate (Sleep mode)	Capacity:s 3%/month;s20%/years		
Standard chargevoltage	56.0V		
Floating chargevoltage	54.0V		
End of discharge voltage	43.2V		
Communication	RS485/CAN		
IPrating	IP55		
Cycle life	26000 cycles @80%DOD		
Net weight	60.7kg	74.2kg 82.3kg	
Dimension of product(L*W*H)	454*170*698mm	470*224*695mm	470*243*695mm
Dimension of packaging(L*W*H)	558*407*768mm	//	
Battery housing	SGCC with white coating		
Operation temperature	0~45°C(32~113°F)		
Recommended operation temperature	15-30C(59-86F		
Storage temperature for short time	-10~45°C(14~113°F)		
Storage temperature for long time	10~35°C (50-95°F		
Operation humidity	5~95%		
Install altitude	≤4000m		

Installlocation	Under the roof
Installation	Wall mounted
Certification	CE/IEC62619/UL1973/UN38.3

Application

This energy storage solution is ideal for homeowners looking to store energy efficiently and reduce reliance on the grid. It is especially suited for areas with frequent power outages or for homes using solar energy systems. The LSRW series enables the use of renewable energy and ensures a constant power supply, enhancing the reliability of home energy systems.

Shipping Methods:

Supports global air and sea shipping.



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