



## LSRS Series The Perfect Lithium Battery Storage Solution for Residential Applications

### Our Product Introduction

#### Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE IEC62619 UL1973 UL9540A UN38.3
- Model Number: LSRS
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms: T/T



#### Product Specification

- Nominal Voltage: 204.8V (LSRS205V50AH-LFP), 307.2V (LSRS307V50AH-LFP), 409.6V (LSRS410V50AH-LFP)
- Manage Battery Energy: 10.24 KWh (LSRS205V50AH-LFP), 15.36 KWh (LSRS307V50AH-LFP), 20.48 KWh (LSRS410V50AH-LFP)
- Max. Charge Current: 50A
- Max. Discharge Current: 50A
- Cycle Life: 6000 Cycles @25°C @70% EOL @0.2C Charge & 0.5C Discharge, 90% DOD
- Communication: CAN / RS485
- Highlight: residential lithium battery storage, residential commercial energy solutions, 204.8v lithium battery storage

## Product Description

### LSRS Series The Perfect Lithium Battery Storage Solution for Residential Applications

## Residential Stacked Energy Storage

LSRS series battery packs are stack type residential lithium batteries, designed entirely for residential ESS applications. With our battery technology, you can easily combine it with any mainstream inverter in different scenario to save your electrical bill & back-up your power during grid outage or when power is unavailable.

### Features



#### Safety

Safer lithium iron phosphate, designed to comply with IEC, UL standards.



#### Wide compatibility

Compatible with multiple brands of mainstream inverter use.



#### Convenient installation

The installation can be completed by simple stacking.



#### Long-lasting

15 years life design. Long cycle life and superior performance.



#### Scalability

10.24 KWh ~ 20.48 KWh can be extended.



#### WiFi optional

WiFi configuration is optional.

### Product Description:

The LSRS series is a residential stacked energy storage solution featuring lithium-iron phosphate (LiFePO<sub>4</sub>) batteries designed for residential ESS applications. With modular scalability from 10.24 kWh to 20.48 kWh, this energy storage system is ideal for backup power and efficient energy consumption in both grid-tied and off-grid systems. The compact stackable design allows for easy installation, either indoors or outdoors, and is compatible with mainstream inverters via CAN/RS485 communication interfaces. With its high safety standards and long 15-year lifecycle, this system is perfect for various residential applications.

Items	LSRS205V50AH-LFP	LSRS307V50AH-LFP	LSRS410V50AH-LFP
			

Number of battery modules 2 3 4			
Manage battery energy	10.24kWh	15.36kWh	20.48kWh
Nominal voltage 204.8V 307.2V 409.6V			
Operation voltage range	185.6V~233.6V	278.4V~350.4V	371.2V~467.2V
Manage battery capacity 50Ah			
Max.chargecurrent	50A		
Max.dischargecurrent 50A			
Communication to inverter	CAN/RS485		
Wifi Support			
Display	SOC status indicator LED		
IP rating IP55			
Cycle life	6000 Cycles @25°C@70%EOL@0.2C charge &0.5C discharge,90%DOD		

Battery module weight =60kg			
Module dimension(L*W*H)	630*440*590 mm	630*440*745 mm	630*440*900 mm
Cell type LFP-Lithium iron phosphate (LiFePO4)			
Design life	15 years(25°C/77°F)		
Charge temp.range 0~50°C(32~122°F)			
Discharge temp.range	-10~50°C(14~122°F)		
Operating temperature Charge:0~50°C(32~122°F)Discharge:-10~55°C(14~131°F)			
Relative humidity	5%~95%		
Install altitude s4000m			
Certification	CE/IEC62619/UL1973/UL9540A/UN38.3		

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|---|
| 1. Test conditions: 90% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C .  |
| 2. Charge/discharge derating occurs when the operating temperature from -20°C to 5°C & 45°C to 55°C .   |
| 3. The maximum charge and discharge is 1C, the maximum requested charge and discharge current size according to the agreement when connected to the inverter. |

#### Application:

The LSRS series is designed for use in residential homes, villas, farms, and small commercial operations. It is optimized for energy efficiency and reliable backup power in environments that require scalable and easy-to-install energy storage solutions.

#### Shipping Methods

Supports global air and sea shipping.



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