

China LS

LSR51

T/T



204.8V Lithium Battery Storage For Grid Tied And Off Grid Energy Needs

Basic Information

- Place of Origin:
- Brand Name:
- Certification: TUV CE UN38.3 UL1973 IEC
- Model Number:
- Minimum Order Quantity: 50 units
- Price: consult prices online
- Packaging Details: consult online
- Payment Terms:

Residential Stacked Energy Storage System



Product Specification

 Nominal Voltage: 	204.8V
 Nominal Energy: 	10.24 KWh To 25.6 KWh (expandable)
Cycle Life:	5000 Cycles @ 80% DOD
Maximum Charging Current	t:50A @ 25°C
Operating Voltage Range:	172.8V To 576V (depending On Configuration)
Protection:	Over-temperature, Over-charge, Low Voltage, Overload, And Short Circuit Alarm Protection
IP Rating:	IP21, Indoor Installation
Communication:	CAN/RS485
 Highlight: 	204.8V Lithium Battery Storage,

10.24kWh Lithium Battery Storage, 25.6kWh energy storage lithium battery

Our Product Introduction

204.8V High-Performance Lithium Battery Storage for Grid-Tied and Off-Grid Energy Needs

Flexible

High-voltage LiFePO4 battery solution, single module 51.2V 50Ah 2.56kWh, stackable modular design, convenient transportation and easy installation, it can be stacked from 4 to 10 layers

Safe and Reliable

Lithium iron phosphate (LFP) battery cells offer high safety, long lifespan, and high effective power. They are optimized for self-consumption in residential and commercial applications, providing efficient energy utilization. Additionally, they are suitable for high-power emergency backup and off-grid functions



Perfect compatibility

Compatible with mainstream inverters in the market. Compatible with CANbus/RS485 communication interface. Suitable for both on-grid and off-grid solar energy storage system solutions

Product Description:

The LSRS51V series is a high-performance, residential stacked energy storage system designed to meet both grid-tied and off-grid energy needs. Featuring a modular design with lithium iron phosphate (LiFePO₄) cells, this battery offers flexibility with the ability to stack from 4 to 10 layers, allowing a scalable energy capacity from 10.24 kWh to 25.6 kWh. The robust design ensures high safety, long lifespan, and superior efficiency, making it ideal for residential and small commercial applications. Compatible with mainstream inverters and capable of integrating with CAN/RS485 communication interfaces, this system provides reliable backup power for uninterrupted energy use.

T y p e s			LSRS51V50 AH6S			LSRS51V5 LSRS51V5	
Pa	arametric Per	formance					
ty p e							
B at te ry e n er g y (k W h)	10.24	12.8	15.36	17.92	20.48	23.04	25.6
N o m in al v o l ta g e(V)	204.8	256	307.2	358.4	409.6	460.8	512

p a ty (A h)	50	50	50	50	50	50	50
O p ë at in g > o ta g e っ ヮ ゅ (>)	172.8-230.4	216-288	259.2-345.6	302.4-403.2	345.6-460.8	388.8- 518.4	432-576
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a x, c h ar gi	50A(@25°C)						

Standadchaigngcure	10-25A
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re nt (A) D	80%
ry el C y cl e lif e W ar	Automotive grade lithium iron phosphate battery cell 5000 times @80%DOD
ra nt p er io d	5 years

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Application:

The LSRS51V series is suitable for various applications including homes, villas, farms, and field power supply systems. It is especially designed for users who require easy installation, with a stackable modular system, and who need flexible energy storage options that scale according to their power needs.

Shipping Methods

Supports global air and sea shipping.

