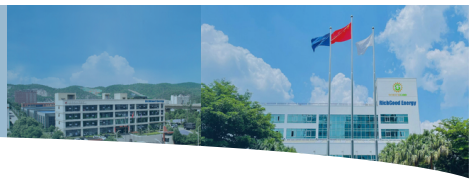

51.2V Lithium Battery Storage For Residential And Commercial Needs

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: LS
- Certification: CE/ IEC62619 / 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: 51.2V
- Nominal Energy: 5kWh/10kWh/15kWh/20kWh (based On Model)
- Operating Voltage Range: 44.8V–57.6V
- Battery Type: Lithium-iron Phosphate ($LiFePO_4$)
- Cycle Life: ≥6000 Cycles @80%DOD
- PV Maximum Input Power: 3300W/5500W
- IP Rating: IP21 (indoor Installation)
- Communication: CAN/RS485
- Highlight: **51.2V Lithium Battery Storage**, **Residential Lithium Battery Storage**, **Commercial battery storage lithium ion**

Our Product Introduction

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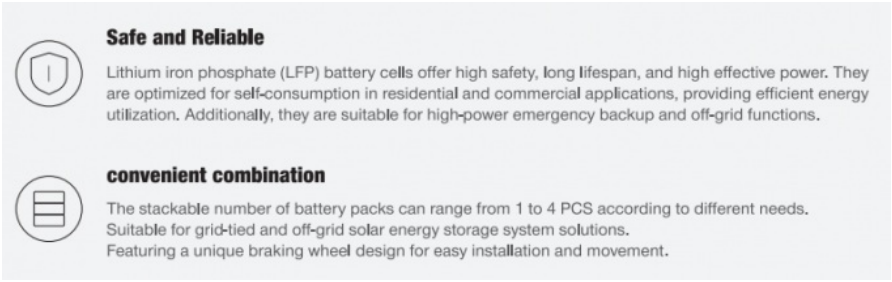
Product Description

51.2V High-Performance Lithium Battery Storage for Residential and Commercial Needs



Product Description:

The LSRS series is a modular and flexible lithium-iron phosphate ($LiFePO_4$) battery solution designed for residential and small commercial energy storage applications. It offers scalability, supporting up to 16 units in parallel to meet different energy needs, with a range of capacities from 5 kWh to 20 kWh per system. The system features high safety standards, optimized energy management, and compatibility with grid-tied and off-grid systems. The compact design allows for easy installation in various configurations including wall-mounted, floor-mounted, rack-mounted, or stacked, making it a versatile choice for both home and business applications.

Parametric Performance				
Battery Type	LiFePO4			
RatedPower(kW)	3 5 5 5			
Nominal Energy(kWh)	5	10	15	20
Operating Voltage(VAC)	230	230	230	230
Numberof Battery Modules	1	2	3	4
Input Voltage Range	170-280VAC,90-280VAC			
Rated Frequency	50/60Hz			
Output Voltage Range	220/230VAC±5%			
Overload Protection	5s@>=150%Load,10s@110%~150%Load			
Switching Time	20ms			
Battery Voltage	48VDC			
FloatCharging Voltage	54VDC			
Overcharge Protection	63VDC			
Charging Method	CC/CV			
PV ChargingTypes	MPPT			
PV Maximum Input Power	3300W 5500W			
MPPTVoltage Range	120VDC~450VDC			
PVMaximum Voltage	500VDC			
Cycle Life	=6000 times			
Protective Function				
Protection	Over-temperature,over-chargng,low voltage,overHoading,and short-circuit alarm protection			
Display and Communication				
Display	Information about the battery's working status,such asSOC,batteryvoltage,etc			
Communication	CAN/RS485			
Device Parameters				
nverter Size(mm)	D*W*H 438x438x130			
nverter Weight(Kg)	10			
Battery Size(mm)	D*W*H 460x445x133			
Single Battery Weight(Kg	45			
Color	Black			
Environmental parameters				
Operation Temperature	-15°C-+55°C			
Recommended Temperature	25°C			

Altitude	<2000m
jP Rating	IP21,indoor installation
Belative Humidity	5%-95%non-condensing
Cooling Method	Naturalheat dissipation
Certification	CE/IEC/UN38.3

Application:

The LSRS series is ideal for residential, villa, and small commercial applications, providing reliable energy storage for grid-tied or off-grid solar systems. It is perfect for environments requiring flexible, scalable, and safe energy storage solutions, such as homes, farms, base stations, and field power supply systems.

Shipping Methods

Supports global air and sea shipping.

RICHGOOD ENERGY CO.,LTD

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