LITHIUMVALLEY





Home Energy Storage Battery Series

R5-5A **51.2V 100Ah 5.12kWh**

Version: V1.0







The R5-5A lithium battery is specially designed for families. Batteries are automatically assigned addresses without the need for dip switch programming. They can be remotely controlled in real time through an application, allowing you to always be informed of the energy dynamics in your home. Battery active balancing enhances battery efficiency and the accuracy of state of charge (SOC) reports. It is easy and flexible to install, ensuring worry-free power supply for household appliances and effortlessly handling various scenarios. Comprehensively safeguarding the safety of battery operation, it builds a solid safety line for your family's electricity usage and is a reliable energy choice for your home.

FEATURES

Multi-Scenario

- Application scenarios include residential, commercial,Industrial, off-grid, grid-connected and self-generating with

Longer Life and Safer

- A+ grade lithium iron phosphate
- Battery management system with multiple protections

Low Maintenance

- Self-developed battery management system (BMS) can operate intelligently and efficiently Manage power output

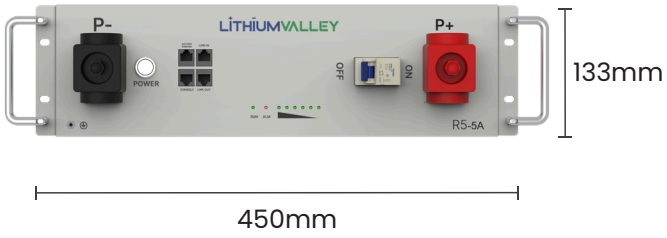
Flexible and Expandable

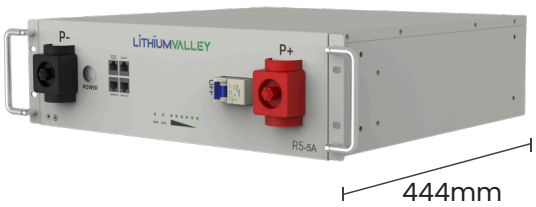
- Up to 12 units in parallel
- The system's energy capacity is up to 81kWh

Certification

- UL1973,UL9540A,UL9540

Dimensions





Model	R5-5A
Electrical Characteristics	
Nominal Voltage	51.2V
Nominal Capacity	100Ah
Energy	5120Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)
Cycle Life	6,000 cycles @77°F(25°C), 0.5C/0.5C
Operating Voltage	44.8~57.6V
Communication Interfaces	CAN/RS485/RS232
Scalable	Up to 12 units
Charge&Discharge	
Nominal Charging Current	75A
Nominal Discharging Current	75A
Max. Discharging Current	100A
Environmental	
Environment	Indoor
Charging Temperature	0°C to 50°C
Discharging Temperature	-20°C to 50°C
Storage Temperature	-10°C to 45°C
Altitude	Maximum 9,843 ft (3,000 m)
Cooling Method	Natural Convection
IP Rating	IP20
Mechanical	
Dimension(L*W*D)	450*444*133mm
Weight	43.8kG
Installation	Rack mount
Certificates	
UN38.3,MSDS,Marine Report	

*The actual product may have slight differences from some promotional videos or pictures. Please refer to the actual product. Unless otherwise specified the data on this page are all from our company's laboratory. The data may have errors due to changes in the objective environment.
*The specifications are subject to change without prior notice.

LITHIUMVALLEY
Factory Address: No. 31 Shengye Road, Huangjiang Town, Dongguan
sales@lithiumvalley.com/info@lithiumvalley.com
www.lithiumvalley.com