

LSHE Residential Rack-mounted BESS

RPB-LV5120-D

The LSHE RPB-LV5120-D is a 5.12kWh battery pack designed for rack-mounted for flexible scenario use. It adopts high-performance lithium iron phosphate battery, safe and reliable.



Scalable and Expandable

When equipped with one set of LSHE 5.5kW inverter, Max. 6pcs in parallel to extend capacity.



Easy Management

The batteries are installed in racks, easy to manage and maintain.



Flexible Application

Rack mounted BESS can be used in a variety of applications, including grid storage, renewable energy integration and backup power, etc.



Concise Structure

Concise structure with small size, reduce installation space and facilitate power distribution.



LED Display

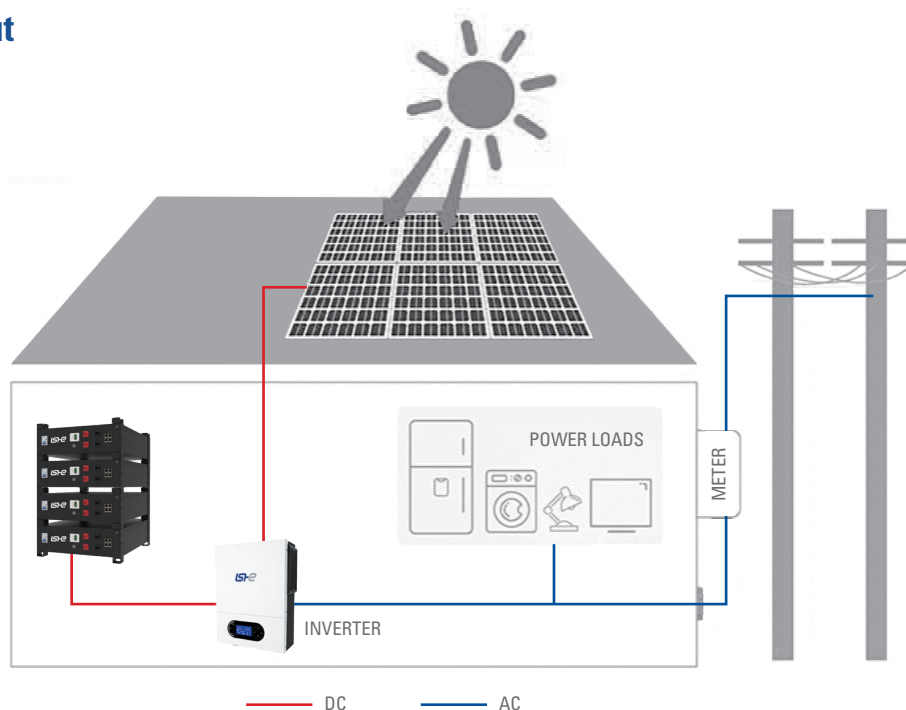
Each pack has LED display screen to show the SOC, which is the battery status.



Easy Installation

Quick plug in +/- and RS485 parallel connection.

System Layout



Specifications

Model	RPB-LV5120-D	
Rated Voltage	51.2V	
Rated Capacity	100Ah	
Capacity	5120Wh	
Battery Impedance	≤50 mΩ	
Charging Cut-off Voltage	56.16 V	
Discharge Cut-off Voltage	45.6 V	
Recommend Charge Current	0.2 C 20 A	
Max. Charge Current	0°C~15°C: 20A; 15°C~45°C: 50A;	
Max Continue Discharge Current	125 A, -20°C~60°C; 65±20%RH	
Operating Temperature Range	-20~60°C	
Storage Environment (50% state of charge)	20°C~45°C in three months; 25±3°C over three months; Humidity: 65±20%RH	
Environment Indoor	Indoor	
Installation	Rack Mount	
Cell Technology	Lithium iron phosphate (LiFePO4)	
Life Cycle	6000 times @80%DOD	
Cooling	Natural cooling	
Protection Class	IP20	
Communication	RS232, CAN, RS485	
Certificates	CB, IEC62619, UL1973, UL9540A, UKCA, CE-EMC, CE-GPSD, EN62619, UN38.3, MSDS	
Dimension	550x440x130mm (3U)	
Battery Net Weight (Approx.)	47.2KG	