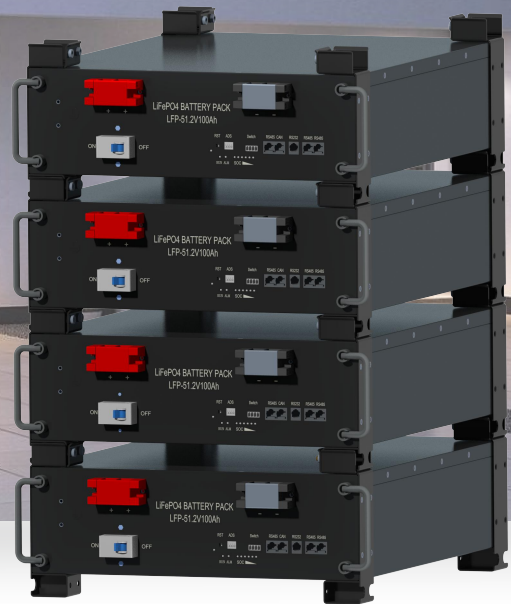


## Low Voltage Rack Mounted Residential Battery (3U)

The Low Voltage Rack-Mounted Residential Battery (3U) utilizes high-quality Lithium Iron Phosphate (LFP) batteries, ensuring superior performance, safety, and durability. Its modular design supports up to 31 parallel units, enabling a maximum battery capacity of 155 kWh. The 3U rack-mounted design is compatible with mainstream cabinets for easy installation and maintenance. Equipped with CAN/RS485 communication interfaces, it supports various mainstream inverter brands.



### Product Characteristics

#### Safe and Reliable

- A grade LFP cells (LiFePO4) for high stability and long lifespan

#### Flexible Configuration

- Connect up to 31 units in parallel for even more capacity and power, or start small and expand as needed

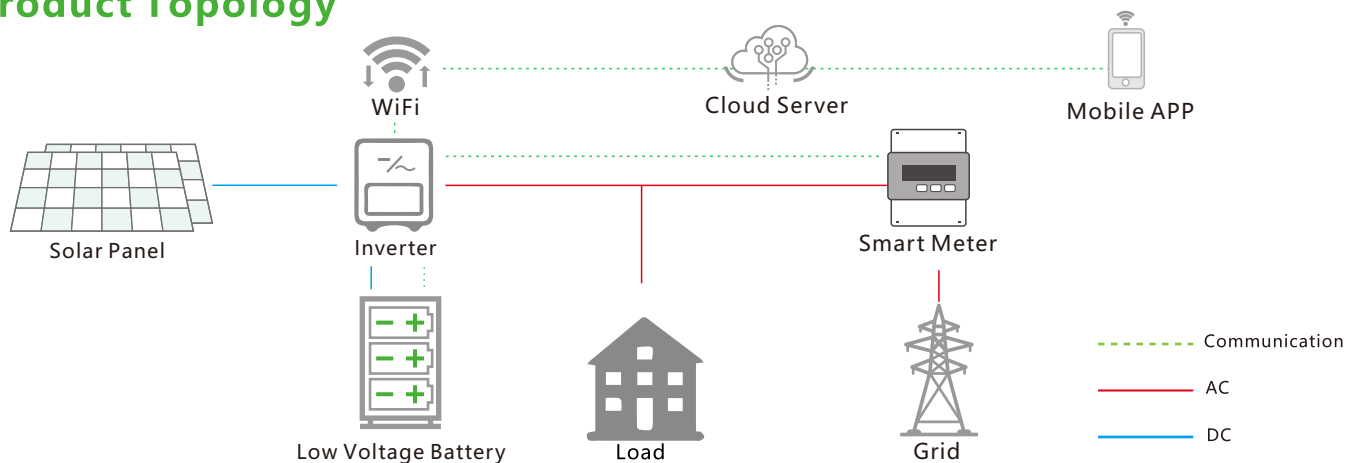
#### Strong Compatibility

- Equipped with CAN and RS485 interfaces, fully compatible with mainstream inverter brands

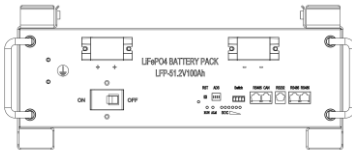
#### Advanced BMS

- Automatic protection against extreme temperatures, overvoltage, overcurrent, short circuits, and surge currents

### Product Topology



■ Technical Index

Product Model		BATT-LS-5-A
System Parameters		
		
Cell Technology	LFP (LiFePO4)	
Energy	5.12kWh	
Rated Capacity	100Ah	
Rated Power	2560W	
Rated Voltage	51.2V	
Operating Voltage Range	44.8~58.4V	
Rated Charge/Discharge Current	50A	
Maximum Charge/Discharge Current	100A	
Peak Discharge Current (30s)	200A	
Cycle Life	≥4000 (at 80 % DoD, 0.5C, 25°C)	
General Parameters		
Dimension (W*D*H)	550x440x152 mm ( 21.6x17.3x5.98 inch)	
Weight	44kg(97 lb)	
IP Grade	IP20	
Cooling	Natural cooling	
Operating Temperature	Charging: 0°C~ + 55°C; Discharging: - 20°C~ + 55°C	
Relative Humidity	10%~90%RH	
Installation	Rack mounted/Cabinet	
Communication	CAN/RS485	
SOC	LED indicator	
Scalability	Max. 31 in parallel (155kWh)	
Standards & Certifications		
Transportation	UN38.3	