

# Residential Energy Storage Battery (Rack-mounted)



LR51.2-100



**Compact Size**

Minimum the footprint



**Eco-Friendly**

Clean energy



**Long Lifespan**

Sustainable long cycles



**Built-in BMS**

Charge & discharge protection

## Product Introduction



Up to 40 groups of parallel connections,  
flexible capacity expansion



LED display for voltage, current, temperature,  
convenient for users to query



Compatible with mainstream inverters in the  
market, providing more options



Built-in BMS provides multiple protection  
functions

Item	Parameters
Model	LR51.2-100
Rated Capacity (5HR)	100 Ah
Nominal Voltage	51.2 V
Energy	5.12KWh
Discharge Ending Voltage	43.2 V
Charging Limited Voltage	57.6 V
Max. Charge/Discharge Current	100 A
Weight	Approx. 43 Kg
Display	With display screen
Protocol	RS485/RS232/CAN
Max number of parallel connections	40
Dimensions (W*D*H) mm (inches)	442 *431 *177
Design life	More than 15 years
Cycle Life	More than 3500 cycles @ 100% DOD
IP Class	IP31
Case Material	SPCC
Operating Temperature	Charging: 0 to +45°C    Discharging: -10 to +55°C    Storage: 0 to +40°C