

Residential Energy Storage Battery (Rack-mounted)



LR48-100



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	LR48-100
Rated Capacity (5HR)	100 Ah
Nominal Voltage	48V
Energy	4.8KWh
Discharge Ending Voltage	40.5 V
Charging Limited Voltage	54 V
Max. Charge/Discharge Current	100 A
Weight	Approx. 40.7 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 6000 cycles @ 80% DOD
IP Class	IP30
Case Material	SPCC
Operating Temperature	Charging: 0 to +45°C Discharging: -10 to +55°C Storage: -20 to +60°C