

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 63 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
Discharge Ending Voltage	43.2 V
Charging Limited Voltage	57.6 V
Max. Charging Current	100 A
Max. Continue Discharging Curren	100 A
Weight	Approx. 42 Kg
Display	With display screen
Protocol	CANBUS/ MODBUS
Parallel Connection	Parallel connection is optional (up to 63P)
Dimensions (W*D*H) mm (inches)	442 * 431 * 177
Cell	3.2V 100Ah
Design life	More than 15 years
Cycle Life	More than 3500 cycles at 100% DOD
IP Class	IP31
Outer Package Materia	Black bake lacquer steel case (battery rack or cabinet is optional)
Operating Temperature	Charging: 0 to +50 °C Discharging: -20 to +60 °C Storage: -20 to +60 °C