

Residential Energy Storage Battery (Rack-mounted)



EBL-R51.2-100



Compact Size

Minimum the footprint



Eco-Friendly

Clean energy



Long Lifespan

Sustainable long cycles



Built-in BMS

Charge & discharge protection

Product Introduction



Up to 15 units of parallel connections, flexible capacity expansion



19-inch design, suitable for various applications



Compatible with mainstream inverters in the market, providing more options



Built-in BMS provides multiple protection functions

Item	Parameters
Battery Model	LR51.2-100
Rated Capacity (5HR)	100 Ah
Nominal Voltage	51.2 V
Rated Energy	5.12 kWh
Discharge Cut-off Voltage	43.2 V
Maximum Charge Voltage	58.4 V
Max. Charge/Discharge Current	50/100 A
Weight	Approx.43 Kg
Display	N/A
Communication Interface	RS485/RS232/CAN
Number of parallel connections	Up to 15 units
Dimensions (W*D*H)	442*450*177 mm
Design life	More than 15 years
Cycle Life	More than 6000 cycles @ 80% DOD
Ingress Protection	IP31
Case Material	SPCC
Operation Temperature	Charging: 0 to +45°C Discharging: -10 to +55°C Storage: -20 to +60°C
Compatible Inverters	PYLON, Growatt, Voltronic, Schneider, Sorotec, GoodWe, Srne, Must, Luxpower , Magerevo, Solis, Victron, SMK, SAJ