

# 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 15 units of parallel connections,  
flexible capacity expansion



LCD 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
Battery Model	LR51.2-100
Rated Capacity (5HR)	100Ah
Nominal Voltage	51.2V
Rated Energy	5.12kWh
Discharge Cut-off Voltage	43.2V
Maximum Charge Voltage	57.6V
Max. Charge/Discharge Current	100A
Weight	Approx. 43 Kg
Display	With display screen
Communication Interface	RS485/RS232/CAN
Number of parallel connections	Up to 15 units
Dimensions (W*D*H)	442 *431 *177mm
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℃    Discharging: -10 to +55℃    Storage: -20 to +60℃
Compatible Inverters	PYLON, Sacolar, Growatt, Sofar, Voltronic, LUX, Schneider, Afore, Sinexcel, Sorotec, GoodWe, KSTAR, Srne, Must, Megarevo, Sol-Ark, INVT, Aiswei, TBB, SAKO, Solis, Victron, SMK, BlueSun