

Residential Energy Storage Battery (Wall-mounted)



LW51.2-100



High Efficiency

Max. efficiency 95%



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



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
Battery Model	LW51.2-100
Nominal Voltage	51.2V
Rated Capacity	100Ah
Maximum charge/ discharge current	100A/100A
Discharge Cut-off Voltage	43.2V
Maximum Charge Voltage	58.4V
Weight	Approx.50Kg
Dimensions(W×D×H)	450x500x140mm
Cycle life	6000 cycles @ 80% DOD
Number of parallel connections	Up to 15 units
Self-discharge Rate@25°C	3%/month
Communication Interface	RS485/RS232/CAN
Cooling Method	Passive Natural Convection
Ingress Protection	IP54
Display	LCD Display
Design Life	15 Years
Storage Temperature	-20°C to 60°C
Operation Temperature	charge: 0°C to 45°C; discharge: -10°C to 55°C
Relative Humidity	5% to 95%
Operation Pressure	61kPa~113kPa
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