

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 16 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
Specifications and models	LW51.2-100
Nominal voltage	51.2V
Nominal capacity	100Ah
Maximum continuous charge/discharge current	100A/100A
Discharge voltage/Maximum charge	43.2 V/58.4 V
Weight	50kg
Dimensions(W×D×H)(mm)	450x500x140
Cycle life	5000 cycles @ 0.5C, 80% DOD, 80%SOH
Max number of parallel connections	16
Self-discharge (month)@25°C	≤3%
BMS communication types	RS485/RS232/CAN
Cooling Mode	Free Cooling
IP Class	IP54
Display Fuction	LCD Display
Design Life	15 Years
Storage Temperature	-20°C to 60°C
Operate Temperature	charge: 0°C to 45°C; discharge: -10°C to 55°C
Relative Humidity	5% to 95%
Working Pressure	61kPa~113kPa
Bluetooth	Yes

Cycle Life in Relation to Depth Of Discharge (0.5C)

