

# 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 40 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	<b>LW51.2-100</b>
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 @ 80% DOD
Max number of parallel connections	40
Self-discharge (month)@25°C	≤3%
BMS communication types	RS485/RS232/CAN
Cooling Mode	Free Cooling
IP Class	IP54
Display Function	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