

# Residential Energy Storage Battery (Wall-mounted)



LW51.2-50



**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



Compatible with mainstream inverters in the  
market, providing more options



LED display for voltage, current, temperature,  
convenient for users to query



Built-in BMS provides multiple protection  
functions

Item	Parameters
Specifications and models	LW51.2-50
Nominal voltage	51.2V
Nominal capacity	50Ah
Maximum continuous charge/ discharge current	50A/50A
Discharge voltage/Maximum charge	43.2 V/58.4 V
Weight	31kg
Dimensions(W×D×H)(mm)	450x450x130
Cycle life	6000 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 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