## **Residential Energy Storage Battery** (Wall-mounted)



LW51.2-50





**High Efficiency** Max. efficiency 95%



**Eco-Friendly** Clean energy



Long Lifespan Sustainable long cycles

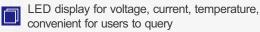


**Built-in BMS** Charge & discharge protection

## **Product Introduction**



Up to 40 groups of parallel connections, flexible capacity expansion





Compatible with mainstream inverters in the market, providing more options



Built-in BMS provides multiple protection functions

## Residential Energy Storage Battery (Wall-mounted)



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