

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 15 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	15
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
Compatible Inverters	PYLON, Sacolar, Deye, Growatt, Sofar, Voltronic, LUX, Schneider, Afore, Sinexcel, SUNGROW, Sorotec, GoodWe, KSTAR, Srne, Must, Megarevo, Sol-Ark, INVT, Aiswei, TBB, SAKO, Solis, SMA, Victron, SMK, BlueSun