

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



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 | LW51.2-50 |
| Nominal voltage | 51.2V |
| Nominal capacity | 50Ah |
| Maximum 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 | 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 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 |