

# 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            | LW51.2-100                                    |
| Nominal voltage                      | 51.2V   |
| Nominal capacity                     | 100Ah   |
| Maximum charge/<br>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 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                                  |