

# Residential Energy Storage Battery (Rack-mounted)



LR48-50



**Compact Size**

Minimum the footprint



**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   |
|------------------------------------|--|
| Model                              | LR48-50  |
| Rated Capacity (5HR)               | 50 Ah  |
| Nominal Voltage                    | 48V  |
| Energy                             | 2.4KWh   |
| Discharge Ending Voltage           | 40.5 V   |
| Charging Limited Voltage           | 54 V   |
| Max. Charge/Discharge Current      | 50 A   |
| Weight                             | Approx. 27 Kg  |
| Display                            | With display screen  |
| Protocol                           | RS485/RS232/CAN  |
| Max number of parallel connections | 40   |
| Dimensions (W*D*H) mm (inches)     | 442 *442 *132  |
| Design life                        | More than 15 years   |
| Cycle Life                         | More than 3500 cycles @ 100% DOD   |
| IP Class                           | IP31   |
| Case Material                      | SPCC   |
| Operating Temperature              | Charging: 0 to +45°C    Discharging: -10 to +55°C    Storage: -20 to +60°C |