

# LHD-51F250L1A-GS

**Battery Series** 12.8kWh | Low voltage battery

### Safe Core Cells, Flame Retardant

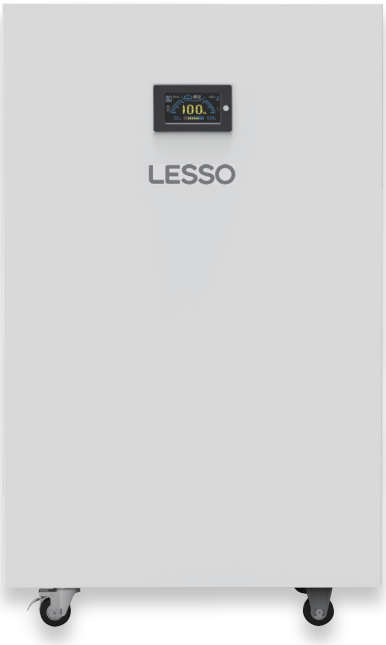
Adopting high-safety LFP cells with built-in flame-retardant features to deliver worry-free application

### Multi-protection, Full Safeguard

Built-in diverse safety mechanisms, secure equipment operation and reduce usage risks

### Floor Deployment, Flexible Arrangement

Adopting floor-standing configuration, free from spatial constraints and compatible with diversified site conditions




### Flexible Scaling, Multi-unit Parallel

Supporting expandable multi-unit configuration, the system enables synchronous parallel connection of up to 15 units

### Ultra-long Lifespan, Cost Optimization

Designed with 10-year service life and superior cycle performance, greatly reduce overall operating costs

### Wide Compatibility, Seamless Integration

Compatible with mainstream brand inverters, seamlessly integrated into existing household energy systems

LESSO

# Battery Series

| Model | LHD-51F250L1A-GS |
|---|---|
| **Key Parameters** | |
| Cell chemistry | LiFePO4 |
| Rated energy | 12.8kWh |
| Nominal capacity | 250Ah |
| Nominal voltage | 51.2V |
| Charge Cut-Off voltage | 58.4V |
| Discharge Cut-Off voltage | 43.2V |
| Recommended charge/Discharge current | 125A/125A |
| Max. Continuous charge current | 250A |
| Max. Continuous discharge current | 250A |
| Cycle life | ≥3000 Cycles (0.5C@25°C, 80%DOD) |
| Recommended depth of discharge (DOD) | 80% |
| **Environmental Parameters** | |
| Charge operating temperature | 0~+50°C |
| Discharge operating temperature | -20~+60°C |
| Storage temperature | -20~+45°C |
| Humidity range | 65±20%RH |
| Altitude | ≤2000m |
| IP rating | IP20 |
| **Mechanical Parameters** | |
| Net weight | 150kg |
| Machine size (H×W×D) | 800×480×350mm |
| Gross weight | 185kg |
| Package size (L×W×H) | 870×570×500mm |
| **Other Parameters** | |
| Display | LCD |
| Communication | CAN/RS485 |
| Parallel connections | 1~15 Units |
| Installation method | Floor mounted |
| Cooling method | Natural convection |
| Standards and certifications | UN38.3/MSDS |

*1: Current is affected by temperature and SOC.
*2: During long-term idle storage, charge the battery once every 3 months.
*3: Please note, product specifications are subject to change without notice.

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