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LION Smart Storage 260 | 04/2025

## Datasheet **LION Smart Storage 260**



### **Liquid-cooled Battery Energy Storage System**

The liquid-cooled energy storage cabinet for commercial and industrial applications is an outdoor product that uses **innovative liquid cooling technology** and integrates LFP battery system, inverter, energy management system, liquid-cooling system, and fire protection system. A single system is composed of **5 battery modules** connected in series.

#### **Suitable for scenarios:**

- Peak shaving and
- Valley filling on the user side
- Demand side response
- Energy costs minimization



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| Parameter                          | Unit | Value   |
|------------------------------------|------|---|
| <b>DC side of battery</b>          |      |   |
| Cell capacity                      | Ah   | 314   |
| Serial parallel method             |      | 1P52S*5   |
| Rated voltage                      | V    | 832   |
| Working voltage range              | V    | 702 ~ 936   |
| Rated capacity                     | kWh  | 261   |
| Rated charging & discharging ratio |      | 0.5P  |
| Warranty                           |      | 1 cycle per day 15 years<br>2 cycles per day 8 years                        |
| System availability                | %    | 97  |
| <b>Grid connected AC side</b>      |      |   |
| Rated output power                 | kW   | 125   |
| Rated grid voltage                 | V    | 380/400   |
| Voltage range                      | %    | ~+/-15%   |
| Grid voltage frequency             | Hz   | 50/60 (+/-2.5)  |
| Communication access method        |      | Three-phase, four-wire  |
| Output current                     | A    | 180   |
| Power factor                       |      | 0.99/ +/-1  |
| Current harmonics (THDi)           |      | ≤3%   |
| Charge discharge conversion time   |      | ≤100ms  |
| <b>Basic information</b>           |      |   |
| System efficiency                  | %    | ≥87   |
| Working temperature                | °C   | -20~55  |
| Allow relative humidity            | RH   | 0-95% (no condensation)   |
| Noise                              | dB   | ≤75   |
| Dimensions (WxDxH)                 | mm   | 1000*1350*2365  |
| Weight                             | T    | ≤2.6  |
| Protection grade                   |      | IP55  |
| Cooling method                     |      | Intelligent liquid-cooling  |
| Firefighting method                |      | Perfluorohexane pack level fire protection, water fire protection interface |
| Communication Interface            |      | RS485 + 4G + LAN  |

## Contact Info

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