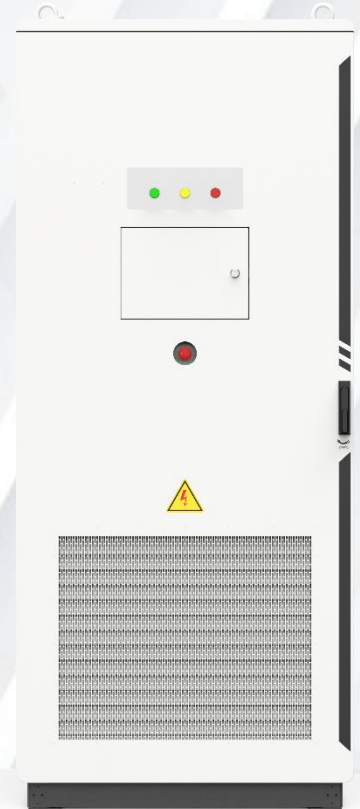




OLP-EIB 125kW/261kWh

Liquid-Cooled Energy Storage Integrated Cabinet

The OLP-EIB series energy storage integrated cabinets are meticulously developed by OliPower, which is experienced in power electronics, automation, IoT, and AI technologies. The OLP-EIB are on grid energy storage products designed for C&I, EV charging station, public buildings and so on. They have functions like peak shaving, peak & frequency regulation, transformer expansion, and smoothing renewable energy fluctuations, providing users with safe, reliable, economical, and efficient green electricity.



PRODUCT FEATURES



Extreme Safety

- Self-developed BMS, EMS, and cloud platform to achieve three-level electrical protection of "Pack - Cluster - Cabinet".
- Comprehensive fire detection and multiple fire protection. The entire cabinet and each battery pack, detected by combustible gas, smoke and temperature sensor, are equipped with perfluorohexanone fire extinguishing system and water sprinkler system.



Intelligent & Efficient Operation

- Designed with high energy density to save more space.
- The annual availability rate is $\geq 95\%$, and the comprehensive cycle efficiency is $\geq 90\%$.
- The cell life is up to 10 years and 8000 cycles.
- The intelligent liquid-cooled temperature control system can maintain the temperature difference among battery cells within 3°C , significantly reducing capacity degradation.



Flexible Deployment

- Support to be installed by hoisting and forklift, and available for side-by-side and back-to-back deployment.
- Flexible capacity expansion, up to 1.25MW/2.61MWh, with 10 systems operating in parallel.
- Pre-installation and commissioning in the factory, plug-and-play on-site.



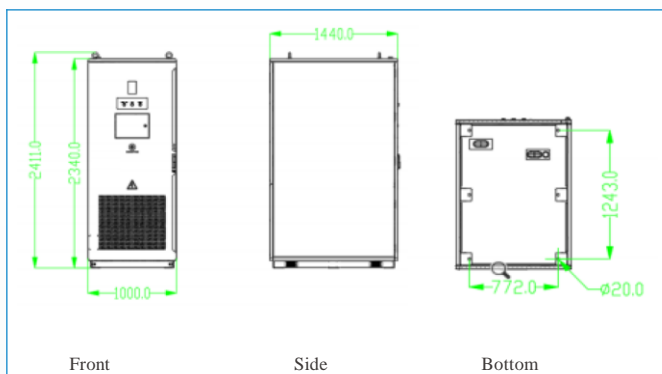
Smart Maintenance

- Providing the function of demand control, anti-backflow and transformer overload protection to make the on-grid operating safely.
- Providing all-time cloud monitoring, remote configuration, and OTA to keep the system in the best condition.
- Automatically generate daily/ monthly operation reports.

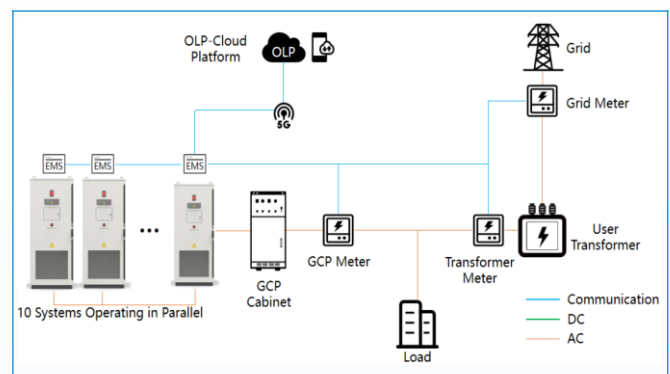
TECHNICAL PARAMETER

| Product Model | | OLP-EIB-V832_E261_P125-LO17 | |
|-----------------------|---|--|-----------|
| DC side parameters | Cell Type | LFP/314Ah | |
| | Group Form | 1P260S | |
| | Configuration of a Single Battery Pack | 1P52s | |
| | System Voltage Range | 728 ~ 949V | |
| AC side parameters | Rated Charging Current / Maximum Charging Current | 157A / 200A | |
| | Rated Power / Rated AC Current | 125kW / 150A | |
| | Rated Grid Voltage | 400Vac, 3P+N+PE | |
| | Rated Grid Frequency | 50/60Hz | |
| | Adjustable Range of Power Factor | (-1) ~ 1 | |
| System parameters | Current Distortion Rate | <1% (impedance load) | |
| | Electric Cabinet Size (W*D*H) | 1000*1440*2460(mm) | |
| | Electric Cabinet Weight | 2470kg | |
| | Charge-Discharge Rate | 0,5C | |
| | Thermal Management Method | Water chiller, dehumidifier | |
| | Protection Level | Cabinet body: IP54 | PACK:IP67 |
| | Number of Cycles | 6000~8000 times | |
| | Operating Temperature Range | -20~55°C | |
| | Relative Humidity | 0~95%RH (no condensation) | |
| | Refrigeration Input Power | 8KW | |
| | Operating Altitude | ≤3000m | |
| | Communication Interface | CAN/RS485/ Ethernet | |
| | Charge and Discharge Switching Time | < 20ms | |
| | Fire Prevention System | Pack-level fire protection + explosion-proof + pressure relief + water sprinkler + perfluorohexanone Fire extinguishing device | |
| Product Certification | UN38.3; IEC62619; IEC62040; IEC62477; IEC61000 | | |

INSTALLATION DIMENSIONS



TYPICAL APPLICATION



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OLP-EIB-V832_E261_P125-LO17-V1.1

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