



# OLP-HEIB

## 125kW/241kWh

### Air-Cooled Hybrid Energy Storage Integrated Cabinet

The OLP-HEIB series integrated cabinet is a Grid-Connected and Off-grid energy storage product meticulously crafted by OLiPower based on the fields of power electronics, automatic control, and the Internet of Things, specifically designed for scenarios such as no electricity, power shortage, and backup power. Together with photovoltaic systems and generators, it forms a smart microgrid, which has functions such as peak shaving and valley filling, backup power supply, peak shaving and frequency regulation, dynamic expansion of transformers, and stabilizing fluctuations in new energy power generation, continuously providing users with safe, reliable, economical and efficient green power.



### PRODUCT FEATURES

#### Super Safety

- Self-developed BMS, EMS, and cloud platform to achieve three-level electrical protection of "Pack - Cluster - Cabinet".
- Comprehensive fire early warning and detection, multiple fire protection measures. The cabin is covered with combustible gas, smoke, temperature and water immersion detectors, and is equipped with a perfluorohexanone fire extinguishing system. Water fire protection interfaces are reserved for comprehensive safety protection.

#### Flexible Deployment

- Supports hoisting and forklift installation, suitable for shoulder to shoulder and back-to-back deployment, and capable of handling complex installation scenarios.
- Factory pre-installation and commissioning, plug-and-play on site.

#### Intelligent & Efficient Operation

- Designed with high energy density to save more space.
- Form an intelligent microgrid with PV & generator to provide a green, efficient, and uninterrupted power supply.
- Support seamless switching between on-grid and off-grid mode within 20 milliseconds, ensuring the stable operation of the load.

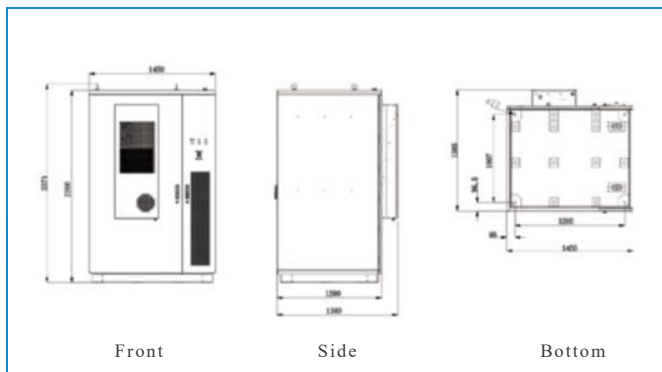
#### Smart Maintenance

- 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.

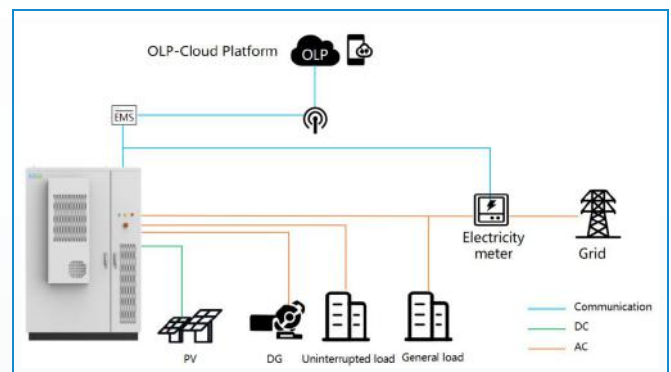
# TECHNICAL PARAMETER

Model		OLP-HEIB-V768_E241_P100-AO	
Battery System	Cell Type	LFP	
	Cell Parameter	3.2V/314Ah	
	Cell Configuration	1P240S	
	Rated Energy	241kWh	
	Rated Voltage	768V	
	Voltage Range	672 ~ 876V	
	Rated Current	157A	
	Max. Current	200A	
PV Input	Power	50KW*2	
	High-voltage side voltage	250-1000V	
	High-voltage side current	Maximum 80A*2	
	Low side voltage	0-950V	
	Low-voltage side current	Maximum 100A*2	
	Maximum efficiency	99%	
Grid Side/On-grid	Max. Output Power	137.5KVA	
	Rated Power	125KW	
	Max. Output Current	200A	
	Rated Grid Frequency	50/60Hz	
	AC Output Type	3W+PE/3W+N+PE	
	Power Factor	0.99, 1(leading) ~1(lagging)	
Back-up Side/Off-grid	Current Distortion Rate	<2% (Rated Power)	
	Rated Output Voltage	230V/400V	
	Harmonic Of Alternating Voltage	<3% (Linear Load)	
	Rated Frequency	50/60Hz	
	Rated Output Power	125KW	
	Maximum Apparent Power	137.5KVA	
SyStem Parameters	Maximum Output Current	200A	
	Thermal Management	Air-conditioner	
	Fire Supression System	Multi-in-One Detector (Flammable Gas/Temperature/Smoke), Perfluorohexanone/Aerosol	
	Communication	LAN/4G	
	Generator Connection	Supported	
	Dimension(W*D*H)	1750*1380*2200(mm)	
	Weight	≈2650kg	
	IP Rating	IP54	
	Working Temperature	-20 ~ 50°C	
	Humidity	0-95%RH(No Condensation)	
	Latitude	≤3000m	
Certification	UN38.3; IEC62619; IEC61000; UL9540A		

## INSTALLATION DIMENSIONS



## TYPICAL APPLICATION



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\*OLiPower reserves the right of final interpretation, and is subject to modify without prior notice.



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