



OLP-EB 418kWh

Liquid-Cooled DC Battery Cabinet

The OLP-EB 418kWh outdoor Liquid-cooled energy storage cabinet highly integrates the battery system (8 battery packs), BMS, thermal management, and fire protection system into a single standardized enclosure. It supports standalone operation or flexible parallel connection of multiple units with the PCS. Featuring advantages such as a small footprint, high reliability, easy installation, flexible scalability, and high system efficiency, this product is widely applicable in scenarios including microgrids, emergency backup power, peak load shaving and valley filling, and distributed renewable energy accommodation.



PRODUCT FEATURES

Super Safety

- o Self-developed BMS, to achieve electrical protection of "Pack - Cluster - Cabinet".
- o Comprehensive fire detection and multiple fire protection. The entire cabinet, detected by combustible gas, smoke, temperature, and waterlogging sensor, is equipped with aerosol fire extinguishing system.

High Energy Density & Flexible Deployment

- o High energy density saves floor space.
- o Supports hoisting and forklift installation, with side-by-side and back-to-back deployment options to suit various site conditions.

Plug-and-Play & Smart Maintenance

- o Pre-installed and pre-commissioned at the factory for plug-and-play on site.
- o Supports on-line cloud monitoring, remote configuration, and OTA upgrades, reducing maintenance costs.

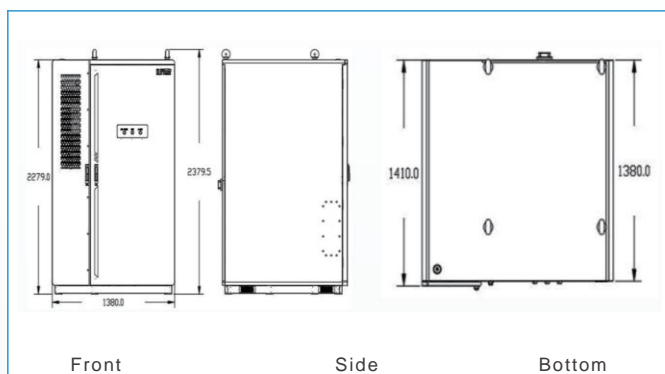
Wide Application, Reliable Green Power

- o Suitable for areas with no or insufficient power supply.
- o Supports peak shaving and valley filling, backup power, frequency regulation, capacity expansion, and renewable energy fluctuation smoothing, delivering stable green electricity.

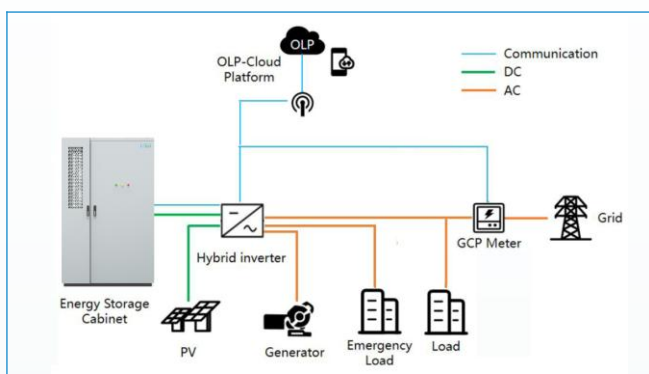
TECHNICAL PARAMETER

Model	OLP-EB-V1331_E418-LO
Cell Type	LFP 3.2 V / 314 Ah
Pack Configuration	1 P 52 S / 52.2kWh
Charge / Discharging Rate	0.5 P / 0.5 P
Rated Charging / Discharging Current	157 A / 157 A
Maximum Charging / Discharging Current	200 A / 200 A
Battery System Configuration	1P416S
Rated Energy	418kWh
Rated Voltage	1331.2 V
Voltage Range	1164.8 ~ 1497.6 V
Number of Battery Packs	8
Cooling Method	Liquid-cooled
Fire Supression System	Temperature detectors + Smoke detector + Aerosol
Communication Interface	RS485, CAN, LAN
Dimension(W*D*H)	1380×1410 × 2279mm
Weight	Approx. 3800 kg
Ingress Protection (IP) Rating	IP54
Charge / Discharge Temperature	0 ~ 45 °C / -20 ~ 45 °C
Storage Temperature	-20 ~ 45 °C
Relative Humidity	0% ~ 95%RH (No condensation)
Application Altitude	≤3000 m(Derate when over 2000m)
Number of Parallel Battery Cabinets	8 Sets
Standards & Certificates	IEC61000, UL9540A, IEC62619, UN38.3

INSTALLATION DIMENSIONS



TYPICAL APPLICATION



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