



OLP-EB 257kWh

Air-Cooled DC Battery Cabinet

The OLP-EB outdoor air-cooled energy storage cabinet highly integrates the battery system (14–16 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.

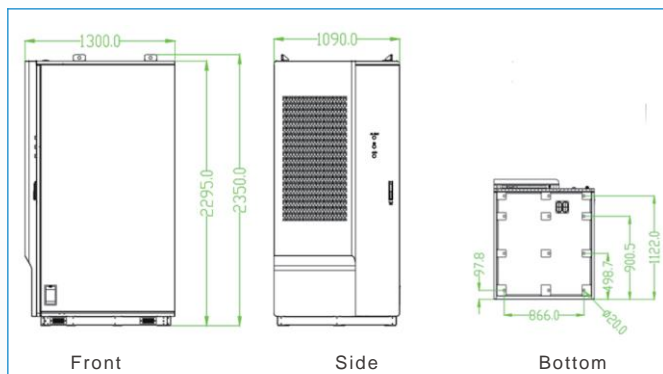
Wide Application, Reliable Green Power

- 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.

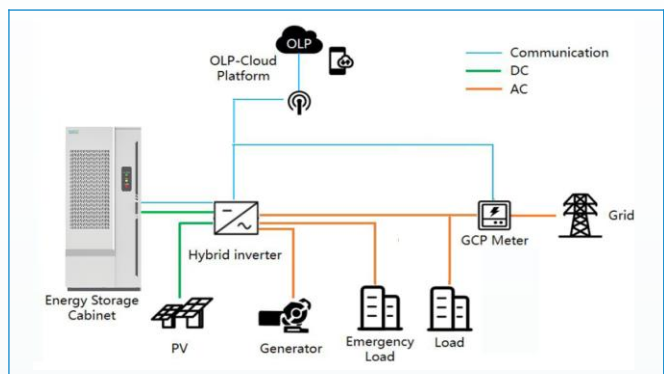
TECHNICAL PARAMETER

Model	OLP-EB-V820_E257-AO		
Cell Type	LFP 3.2 V / 314 Ah		
Pack Configuration	1 P 16 S / 16.07 kWh		
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	1P224S	1P240S	1P256S
Rated Energy	225 kWh	241 kWh	257 kWh
Rated Voltage	716.8 V	768.0 V	819.2 V
Voltage Range	627.2 ~ 817.6 V	672.0 ~ 876.0 V	716.8 ~ 934.4 V
Number of Battery Packs	14	15	16
Cooling Method	Air-conditioner		
Fire Suppression System Configuration	Temperature detectors + Smoke detector + Aerosol		
Communication Interface	CAN, RS485, RS232		
Dimension(W*D*H)	1090 × 1300 × 2350 mm		
Weight	Approx. 2400 kg	Approx. 2510 kg	Approx. 2620 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	10		
Standards & Certificates	UN38.3		

INSTALLATION DIMENSIONS



TYPICAL APPLICATION



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