

Liquid Cooled All-in-One BESS Cabinet

OES-100/215L

The product features an integrated design housed within an outdoor cabinet, tightly integrating batteries, BMS, PCS, air conditioning, and fire protection systems. This design significantly enhances energy density. Moreover, in conjunction with an advanced liquid cooling system for the batteries, the product boasts better stability, facilitates expansion, and offers greater flexibility in configuration.

Features



All-in-One Design

By embracing an integrated design within an outdoor cabinet, our product offers a smaller footprint and swift response functionality, making it compatible with both on-grid and off-grid scenarios



High Energy Density

Liquid cooling enables higher density of energy with more than 215 kWh of energy in a single small footprint cabinet



Increased System Stability

The system intelligently adjusts its mode based on ambient temperature conditions, ensuring that the temperature difference inside the battery cells remains within a narrow range of less than 3 °C. This precise temperature control contributes to more stable system performance



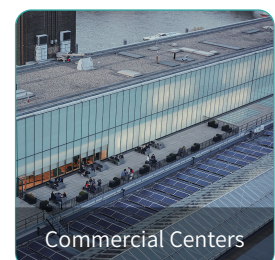
Standard Modular Design

Using a standardized modular design, this system can be expanded easily by adding cabinets in parallel to reach the desired energy and power capacity for many applications

Product Appearance



Applications



Product Model	OES-LF100/215POY01
Rated Capacity	280Ah
Rated Energy	215kWh
DC Voltage	768V
DC Voltage Range	672V~864V
Rated AC Output Power	100kW
THD	<3%
DC Current Component	≤0.5%
Grid Voltage	400VAC(-20%~15%)
Charge/Discharge Conversion Time	<100ms
Rated Grid Frequency	50Hz/60Hz±2.5Hz
Power Factor	-0.99~+0.99
Rated Output Voltage	400VAC±3%
Rated Frequency	50Hz/60Hz
Off-grid Output THDU	≤3%(Linear Full Load)
Unbalanced Load Capacity	100%
Max Number of Parallel Connections	≤8
System Efficiency	≥86%
System Cycle Life	≥6000
System Service Life	≥10 Years
Charging Operating Temperature Range	0~55°C
Discharge Operating Temperature Range	-20~55°C
Weight	≤3000kg
Working Environment Humidity	5%~95%RH , Without Condensation
Storage Temperature	-20~45°C
	0~35°C
Dimensions	W 1400mm
	D 1500mm
	H 2200mm
Application Altitude	≤2000m
Battery Compartment Cooling Method	Liquid Cooling
Electrical Compartment Cooling Method	Forced Air Cooling
Power Interface	Copper Bar/Cold Pressed Terminal
Communication Port	Modbus RTU / Modbus TCP
Installation Method	Floor Mounted, Outdoor
IP Rating	Battery Compartment IP65; Electrical Compartment IP54
Corrosion Protection Leve	C3
Fire Suppression Configuration	Perfluorohexanone

