

Air Cooled All-in-One BESS Cabinet

OES-100/215

This product is a fully integrated energy storage solution, comprising energy storage batteries, inverters, energy management systems, temperature control systems, and fire protection systems. This all-in-one product is appropriate for various application scenarios and is in a convenient and quickly deployable outdoor-rated cabinet enclosure.

Product Appearance



Features



Safe and Reliable

Excellent temperature control technology and comprehensive fire safety ensure system safety and reliability



Cost Effective

Single string design, zero parallel capacitance loss, and intelligent BMS+EMS technology maximizes system efficiency and provides customers with stable functionality and good ROI



Flexible Usage

Adaptable to a variety of application scenarios with built-in peak shaving and valley filling, demand management, back-up resiliency, load tracking, remote monitoring, and fault detection



Plug and Play

Fully integrated all-in-one design, easy installation, direct connection to the load, and simple operation

Applications



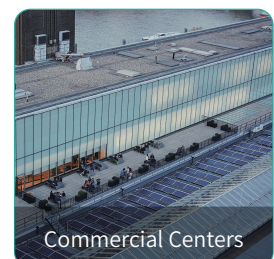
Solar Canopy EV Carports



High Powered Industry



Residential Complexes



Commercial Centers

Product Model	OES-100/215
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
Unbalanced Load Capacity	100%
Maximum Number of Parallel Connections	≤8
System Efficiency	≥86%
System Cycle Life	≥6000
System Service Life	≥10 Year
Working Temperature (Charging)	0~55°C
Working Temperature (Discharge)	-20~55°C
Weight	≤3000kg
Working Humidity	≤95%Rh
Storage Temperature	-20~45°C
	0~35°C
	W1800±3mm
Dimensions	D1300±3mm
	H2300±5mm
Application Altitude	≤2000m
Cooling Method for Battery Compartment	Forced Air Cooling
Cooling Method for Electrical Compartment	Forced Air Cooling
Power Interface	Copper bar/Cold Pressed Terminal (M10 screw)
Communication Port	Modbus RTU/Modbus TCP
Installation Method	Floor Mounted, Outdoor
IP Rating	IP54
Corrosion Protection Level	C3
Fire Suppression Configuration	Perfluorohexanone

