Liquid Cooled Outdoor Battery Cabinet

ODC-LF215~344

A DC battery only system featuring an integrated design housed within an outdoor cabinet, seamlessly incorporating a temperature control system and battery management system. 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 with energy capacity options from 215 kWh to 344 kWh.

Product Appearance

Features

Integrated Cabinet Design

Highly integrated all-in-one design, the system is modular and can be expanded using parallel systems for a variety of application scenarios

Increased System Stability

Multiple operation modes to choose from, supports simultaneous connections of load, batteries, power grid, diesel generators, and photovoltaics

International Certifications

Certified to European and American battery standards such as IEC and UL

Standard Modular Design

Using a standardized modular design, this system can be expanded easily by adding cabinets in parallel to reach the desired energy capacity for many applications. Supports 1000 and 1500VDC systems

Applications


Solar Canopy EV Carports


High Powered Industry


Residential Complexes


Commercial Centers

Product Model		ODC-LF215~344
Cell		3.2V/280Ah
Configuration		1P240S～1P384S
Nominal Energy		215kWh~344kWh
Nominal Voltage		768V～1228.8V
Voltage Range		672V~1382.4V
Charge/Discharge Mode		CC/CCCV/CP/CPCV
Standard ChargeRate		0.5P
Standard Discharge Rate		0.5P
Operating Temperature	Charge	0°C~55°°C
	Discharge	-20°C~55°C
Humidity Range		⩽95%RH
Thermal Management Method		Liquid Cooling and Liquid Heating
Noise		⩽70dBA
Communication		CAN2.0
Auxiliary Power Supply	Thermal Management System	220Vac
	Other Auxiliary Power (Including BMS,Sensor Indicator,Etc.)	85-300Vac
High and Low Voltage Wiring Method		Quick Plug
Dimension		W1300×D1300×H2300 mm
Weight		2500kg～3400kg
IP Rating		IP66
Anti-Corrosion Rating		C5H
Storage Temperature	6 Months	0°C-35°C
	1 Months	-20°°C-45°C
Storage Humidity		<75%RH,Without Condensation
Application Altitude		⩽4000m(Pollution Level II)