

Liquid Cooled Large Format Battery

CDC-LF3440

This product is a containerized utility scale large format DC battery. Equipped with state-of-the-art liquid cooling systems and battery management systems, it significantly enhances energy density and cycle life, thereby delivering safe and efficient energy storage solutions to users. This is the perfect building block for large capacity energy storage deployments.

Product Appearance



Features



High Safety

Using stable lithium iron phosphate based batteries and an independent fire protection system, this system is stable and reliable



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



International Certifications

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



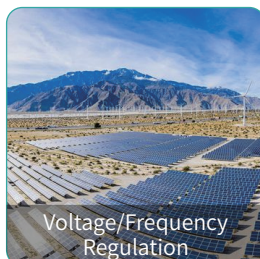
Standard Modular Design

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

Applications



Renewable Energy Power



Voltage/Frequency
Regulation



Large Energy Storage



Industrial and
Commercial

Product Model		CDC-LF3440
Configuration		1P384S×10
Rated Energy		3440kWh
Rated Voltage		1228.8V
Voltage Range		1075.2V~1382.4V
Charge/Discharge Mode		CC/CCCV/CP/CPCV
Standard Charge Power/Current		1720kW/1400A
Operating Temperature	Charge	0°C~55°C
	Discharge	-20°C~55°C
Recommended Operating Environment Temperature		20°C~30°C
Charge/Discharge Efficiency		93%
Thermal Management		Liquid Cooling
Communication		RS485/Ethernet/CAN
Auxiliary Power Supply		480Vac,50/60Hz
Dimension		L6058×W2438×H2896mm
Weight		35T
IP Rating		IP55
Storage Temperature	6 months	0°C-35°C
	1 month	-20°C-45°C
Storage/Operating humidity		<75%RH, Non-condensing
Application Altitude		≤4000m(Pollution Level II)

