

High Performance Liquid Cooled Large Format Battery

CDC-LF3720

This product is a high-performance containerized utility scale large format DC battery that can charge and discharge at twice the speed of 0.5 C rated batteries. 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



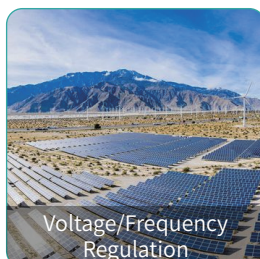
High Performance

Equipped with higher performance 1C rated batteries that can handle faster charging and discharging rates

Applications



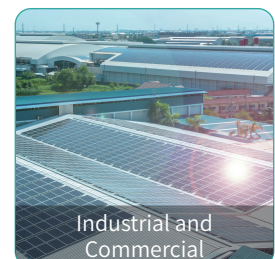
Renewable Energy Power



Voltage/Frequency Regulation



Large Energy Storage



Industrial and Commercial

Product name	3.72MWh 20ft Liquid Cooled Container
Model	CDC- LF1331/3720JYA01-01
Battery Type	LFP-280Ah
Rated Energy	3727.36kWh
Rated Voltage	1331.2V (25°C±2°C)
Battery Voltage Range	1164.8V~1500.0V
Max. System Efficiency	94%
Charge and Discharge Ratio	0.5/1P
Cycle Life	6000@25°C 0.5C/0.5C,90%DOD, 70%EOL
Cooling Method	Liquid Cooling
Altitude	≤2000m
Operating Temperature	-20 ~ +55°C
Relative Humidity	0%-95%, RH
IP Rating	IP54
Communication Interface	Ethernet/RS485/CAN
Communication Protocol	Modbus TCP / Modbus RTU / CAN 2.0
Fire Protection	Gas + Water Spray
Weight	37.5t
Dimension (W*D*H)	6058*2438*2896mm
Certification	IEC/EN62619、IEC/EN63056、IEC/EN61000、FCC Part15、IEC/UL60730、 UL1973、UL9540A、UN38.3、IEC/EN62477、UL9540、 UN3536
Marketable Territory	Global

