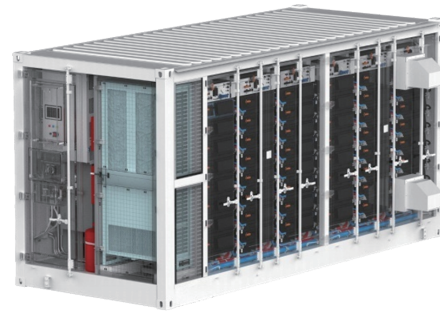


Liquid Cooled Extra-Large Format Battery

CDC-LF5015

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 extra-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



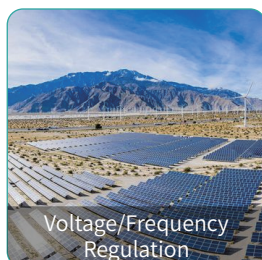
Standard Modular Design

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



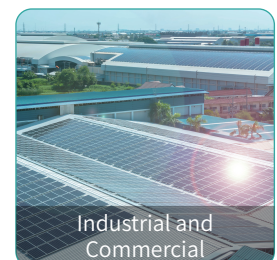
Renewable Energy Power



Voltage/Frequency
Regulation



Large Energy Storage



Industrial and
Commercial

Product Model		CDC-LF1331/5015CYB-01
Series Parallel Mode		12P* (1P52S*8S)
Rated Capacity		5.015MWh
Rated Voltage		1331.2V DC
Voltage Range		1040.0~1497.6V DC
Rated Charging and Discharging Power		2.5MW
Rated Charging and Discharging Rate		0.5P
Auxiliary Power Supply Voltage		400V AC $\pm$ 5%@50Hz
Maximum Auxiliary Supply Power		36.25kW
Cell	Rated Capacity	314Ah
	Rated Energy	1004.8Wh
	Working Voltage	2.5~3.6V
	Monthly Self Discharge	$\leq$ 3.0%/Month
Battery Pack	Series Parallel Mode	1P52S
	Rated Capacity	314Ah
	Rated Energy	52.2496kWh
	Rated Voltage	166.4V DC
	Voltage Range	130.0~187.2V DC
	Maximum Power	26.12kW
	Balanced Current	100mA
Battery Rack	Maximum Continuous Current	200.96A
	Series Parallel Mode	1P52S*8S
	Number of Packs	8
	Rated Energy	417.9968kWh
	Rated Voltage	1331.2V
	Voltage Range	1040~1497.6V
	Maximum Power	209kW
Ambient Condition	Operating Temperature	-30°C~+55°C
	Storage Temperature	-35°C~+60°C
	Application Altitude	4000m
Basic Specifications	Dimensions	6242 $\pm$ 5cm (L) /2550 $\pm$ 3cm (W) /3000 $\pm$ 3cm (H)
	Colour	RAL 7035 standard color
	Weight	$\approx$ 39t
	IP Rating	IP55
	Corrosion Protection Level	C4
	Cooling Method	Liquid Cooling
	Communication Method	CAN/RS485
		LAN (IEC61850)

