



COMMERCIAL & INDUSTRIAL ESS

20ft



Liquid Cooling Integration Provide The Ultimate In Safe Energy Management

The liquid-cooled containerized energy storage system, independently developed and designed by WELTRUS, offers functionalities such as smoothing grid output, peak shaving, frequency regulation, and load shifting. The entire system can also connect to WELTRUS's self-developed energy storage cloud platform, which enhances revenue and optimizes operations through its digital operation and energy management systems.



3.35MWh Storage Container



Ultimate Safety

Featuring a liquid cooling system with dynamic temperature regulation and an independent battery compartment for enhanced protection.



Compact Design

Integrated design increases system capacity while significantly reducing the footprint.



Pre-installed Delivery

One-stop pre-installed product delivery shortens installation and commissioning time, reducing costs.



Non-walk-in Design

Maximizes space usage, offers strong environmental adaptability, and simplifies installation and maintenance.



Intelligent Operations & Maintenance

Cloud-based remote monitoring and intelligent management reduce losses and improve system efficiency.



Customizable Solutions

Flexible system capacity customization tailored to different scenarios and energy storage needs.

High Weather Resistance and Protection

Adaptable to various environmental conditions

HangZhou

PROJECT LOCATIONS Chun'an County Liquid Cooling Energy Storage Station

CONSTRUCTION SCALE 108MWh

PROJECT FUNCTION Peak Shaving, Frequency Regulation
Power Dispatch



HengZhou

PROJECT LOCATIONS Guangxi Longyuan Jasmine Liquid Cooling Energy Storage Station

CONSTRUCTION SCALE 100MWh

PROJECT FUNCTION Peak Shaving, Frequency Regulation
Power Dispatch



Bengbu

PROJECT LOCATIONS Commercial and Industrial Liquid Cooling Energy Storage Project

CONSTRUCTION SCALE 4.47MWh

PROJECT FUNCTION Peak Shaving, Frequency Regulation
Power Dispatch



Product Parameter

Specification		Parameter
Container	20ft	20ft
Temperature Control Mode	Perfluorohexanone + Water Fire Protection	Perfluorohexanone + Water Fire Protection
Rated Battery Capacity	LFP 280Ah	LFP 314Ah
Rated DC Voltage	1331.2V	1331.2V
Maximum Charge & Discharge Ratio	0.5P	0.5P
Rated DC Capacity	3.35MWh	5MWh
DC Charging & Discharging Efficiency	93%-95%	93%-95%
Battery Type	LFP	LFP
Fire Protection System	Liquid Cooling	Liquid Cooling
Certification Standard	UL9540/UL9540A/CE/IEC/KC/KBIA	UL9540/UL9540A/CE/IEC/KC/KBIA
Weight	~35tons	~38 tons
Dimensions (W * D * H)	6058*2500*2896mm	6250*2550*3100mm
Case Protection Class	IP54	IP54
Operating Temperature Range	-20-55°C	-20-55°C
Communication Interface	CAN,RS485,Ethernet	CAN,RS485,Ethernet
Communication Protocol	CAN ,Modbus RTU ,Modus TCP/IP	CAN ,Modbus RTU ,Modus TCP/IP