

# Kunlan liquid-cooled energy storage cabinet successfully connected to the grid



 **TAX FREE**    

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled

**ENERGY STORAGE SYSTEM**



## Overview

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Recently, the Max-Pro liquid-cooling commercial and industrial energy storage cabinet, independently developed by TWS Technology, successfully passed the tests of grid-connected energy storage core safety standard of IEC 62933-5-2:2020. THD of current .

- Intelligent Liquid Cooling, maintaining a temperature difference of less than 2°C within the pack, increasing system lifespan by 30%.
- High-stability lithium iron phosphate cells. Each battery cabinet includes an IP56 battery rack system, battery management system (BMS), fire suppression system (FSS).

Project Overview

In December 2024, GSL Energy successfully deployed a 232kWh liquid cooling battery energy storage system in Dongguan, China. This advanced energy storage system was designed to optimize energy efficiency, enhance grid stability, and support sustainable energy solutions for. Highjoule's industrial and commercial energy storage system adopts an integrated design concept, with integrated batteries, battery management system BMS, energy management system EMS, modular converter PCS and fire protection system in one. System productization, integrated energy storage battery.

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### Energy storage cabinet for liquid cooling system

The ST2752UX liquid-cooled battery cabinet, with a maximum capacity of 2752kWh, includes a liquid cooling unit, 48 battery modules (64 cells per module), 4 DC/DC (0.25C, 4 hours system) or 8 DC/DC

### TWS Technology's Max-Pro Liquid-Cooling C& I ESS Cabinet ...

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### 373kWh Liquid Cooled Energy Storage System

Outdoor cabinets are manufactured to be a install ready and cost effective part of the total on-grid, hybrid, off-grid commercial/industrial or utility scale battery energy storage system.



### Liquid-cooled Energy Storage

## Cabinet

- o Supports grid-connected and off-grid switching.
- o Supports black start and backup power for critical loads.
- o Supports parallel expansion for dynamic capacity increase.
- o C5-level corrosion resistance, ...

- LlFePO<sub>4</sub>
- Wide temp: -20°C to 55°C
- Easy to expand
- Floor mount&wall mount
- Intelligent BMS
- Cycle Life:≥6000
- Warranty :10 years



### 232kWh Liquid Cooling Energy Storage Cabinet , GSL Energy

This advanced energy storage system was designed to optimize energy efficiency, enhance grid stability, and support sustainable energy solutions for industrial applications.

### 233KWh Outdoor liquid-cooled energy storage cabinet

Possessing patented technology of virtual synchronous machine characteristic function, it can realize multiple free parallel operation and grid-connected and off-grid switching functions without ...



### GSL ENERGY 100kW 232kWh Liquid Cooling Cabinet ESS

It can also be used for of grid or grid connected optical storage integrated scenes to build microgrid systems. Meet

the short-term and long-term AC and DC distribution needs of users.



## Liquid Cooling Commercial Energy Storage System Solutions Grid

Liquid Cooling Commercial Energy Storage System Solutions Grid-connected (535kWh/250kW, 570kWh/250kW, 1070kWh/250kW, 1145kWh/250kW)



## the first liquid-cooled energy storage system connected to the grid in

The Largest Single Liquid-cooled Energy Storage Station in China Was Connected to The Grid -- China Energy Storage Alliance. On January 15, the 500MW+150MW/300MWh (energy storage) wind power ...

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