

## SolarInvert Energy Solutions

# Is Huawei s energy storage liquid-cooled or air-cooled

114KWh ESS



PICC  
QUALITY ASSURANCE

RoHS



MSDS

UN38.3

UK  
CA



## Overview

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Inter-cell heat insulation and rapid liquid cooling, preventing thermal diffusion between cells. IP65 protection, prevent oxygen from entering the battery pack and prevent fire inside the battery pack. Is Huawei launching a smart hybrid cooling energy storage solution in Europe?

Huawei has recently introduced the industry's first commercial new smart Hybrid cooling energy storage solution in Europe. It comes with several

What is Huawei's new smart hybrid cooling energy storage solution?

Huawei has recently introduced the industry's first commercial new smart Hybrid cooling energy storage solution in Europe. It comes with several benefits and offers a circulation efficiency of 91.3% alongside a reliable user experience. On April 8, 2025, Huawei hosted a FusionSolar Industrial and Commercial Flagship Summit in Frankfurt, Germany.

What is Huawei FusionSolar C&I ESS?

Huawei FusionSolar has launched the world's first C&I ESS that features smart air and liquid cooling, as well as ground-breaking innovations in safety, thermal management, and power supply. C2C Electrical and Thermal Safety.

What is Huawei 215kWh energy storage solution?

World's first "TUV Safety Prime" certified product, Huawei's 215kWh Energy Storage Solution boasts improved safety, efficiency and quality. Intelligent hybrid air-and-liquid cooling system allows you to choose the cooling mode depending on outside conditions, reducing energy consumption of the battery significantly.

What is a hybrid cooling energy storage system?

This has eventually established a new industry milestone in the six most critical standards for evaluating energy storage systems. A hybrid cooling energy storage system offers a 91.3% circulation efficiency. It has a unique

pack optimizer with 100% DOD (depth of discharge) and a unique heat dissipation technology with 2% higher SOH.

What does Huawei do for a living?

Focused on renewable energy, Huawei's digital and power electronics technologies support a new power system for generation, transmission, distribution, and storage. With significant long-term R&D investment, Huawei drives innovations to accelerate clean energy and support zero-carbon buildings, campuses, cities, and homes.

## Is Huawei s energy storage liquid-cooled or air-cooled

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### **A comparative study between air cooling and liquid cooling ...**

The parasitic power consumption of the battery thermal management systems is a crucial factor that affects the specific energy of the battery pack. In this paper, a comparative ...

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### **Differences between liquid-cooled & air-cooled energy storage ...**

At present, with the continuous development of technology, liquid cooling technology is more and more widely used in the field of energy storage, especially immersion ...



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### **How liquid-cooled technology unlocks the potential of ...**

Liquid-cooled battery energy storage systems provide better protection against thermal runaway than air-cooled systems. "If you have a thermal runaway of a ...

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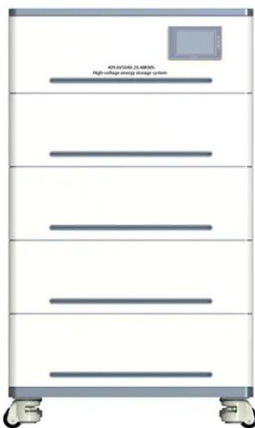
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### **Huawei introduces the LUNA2000-215 SERIE**

The hybrid cooling system (air and liquid) guarantees optimal performance in temperature ranges from -30°C to +55°C, making it ideal for ...

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### ESS



### Huawei unveils air & liquid cooled C& I storage system in SA

hybrid air- and liquid-cooled C& I energy storage system (ESS), which it highlighted sets a new benchmark for efficiency and performance.

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### Huawei LUNA2000 215 C& I Hybrid Cooling ESS Energy Storage ...

Huawei's LUNA2000-215kWh is a next-generation C& I (Commercial & Industrial) hybrid cooling energy storage solution, combining liquid and natural air cooling to maintain maximum

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### Highvoltage Battery



### Smart Cooling , Huawei Digital Power

Huawei's Smart Cooling system integrates advanced cooling technologies, including indirect evaporative, air cooling, and chilled



Standard 20ft containers



Standard 40ft containers

water solutions, ensuring efficient, sustainable ...

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## LUNA2000

The ESS mainly consists of lithium battery packs (PACK), Power Converter System (PCS), DC-DC Converter (DCDC) (optional), Rack Control Module (RCM), Liquid Thermal Management ...

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## Huawei introduces industry-first hybrid cooling energy storage ...

Huawei FusionSolar is proud to introduce the industry's first C&I ESS that uses novel smart air and liquid cooling systems, along with advanced safety, thermal management, ...

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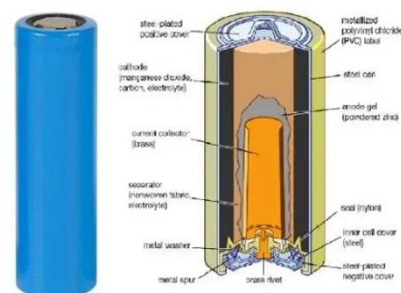

## Battery Storage Cooling Methods: Air vs Liquid Cooling

10 hours ago · As battery energy storage systems grow in scale, thermal management becomes a defining factor for performance, safety, and lifespan. While people often focus on cell ...

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## Huawei LUNA2000-215-2S10 Battery storage for trade ...

With its high storage capacity, innovative hybrid cooling and versatile application options, this energy storage system sets new standards ...

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## LUNA2000

Smart thermal management with air and liquid cooling: The ESS uses thermal management and control technologies to implement various functions including active liquid cooling, natural air ...



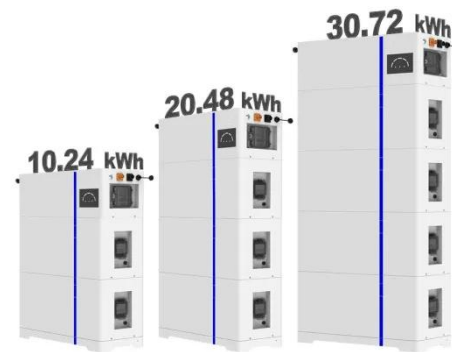
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## How Can Liquid Cooling Revolutionize Battery Energy ...

With the rapid advancement of technology and an increasing focus on energy efficiency, liquid cooling systems are becoming a game-changer across ...

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### ESS



## Huawei LUNA2000-215kWh: the ideal BESS for C& I systems

It combines two different kinds of cooling systems: air cooling with liquid cooling, which automatically starts when the temperature exceeds a certain threshold. This advanced ...

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## Huawei FusionSolar unveils the C& I One-Fits-All Solution

Huawei FusionSolar has launched the world's first C& I ESS that features smart air and liquid cooling, as well as ground-breaking innovations in safety, thermal



management, and ...

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### **Huawei FusionSolar unveils the C& I One-Fits-All ...**

Huawei FusionSolar has launched the world's first C& I ESS that features smart air and liquid cooling, as well as ground-breaking innovations in ...

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### **Huawei FusionServer Liquid Cooling System**

Huawei liquid cooling solution is a board-level liquid cooling solution for high-density system. The solution is green, energy-saving, highly reliable, highly integrated, and easy to maintain.

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### **LUNA2000-215KWH ESS**

Intelligent hybrid air-and-liquid cooling system allows You to choose the cooling mode depending on outside conditions, reducing energy consumption of the ...

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## Huawei unveiled smart Hybrid cooling energy storage system in ...

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 **LFP 12V 200Ah**

## Huawei introduces industry-first hybrid cooling energy ...

Huawei FusionSolar is proud to introduce the industry's first C&I ESS that uses novel smart air and liquid cooling systems, along with ...

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## LIQUID COOLED ENERGY STORAGE SYSTEM ...

What is Huawei fully liquid cooled power unit? Huawei fully Liquid-cooled power unit is a product oriented to electric vehicles for efficient energy conversion and power allocation. Compared ...



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## Liquid vs Air Cooling System in BESS - Complete Guide

10 hours ago· Liquid vs Air Cooling System in BESS - Complete Guide: Battery Energy Storage Systems (BESS) are transforming how we store and



manage renewable energy. But one often ...

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### **Huawei LUNA2000-215kWh: the ideal BESS for C& I systems**

It combines two different kinds of cooling systems: air cooling with liquid cooling, which automatically starts when the temperature exceeds a certain threshold.

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### **Liquid Cooled Battery Energy Storage Systems**

In the ever-evolving landscape of battery energy storage systems, the quest for efficiency, reliability, and longevity has led to the development of more innovative ...

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### **Huawei introduces the LUNA2000-215 SERIE , BEPOSITIVE**

The hybrid cooling system (air and liquid) guarantees optimal performance in temperature ranges from -30°C to +55°C, making it ideal for demanding

industrial environments.

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#### APPLICATION SCENARIOS



### LUNA2000-215 Series: Smart Energy Storage Solution

The liquid-cooled unit runs actively, low-temperature coolant to quickly cool the cells. The air-cooled module runs in parallel medium-temperature coolant to cool the PCS

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### LUNA2000-215KWH ESS

Intelligent hybrid air-and-liquid cooling system allows You to choose the cooling mode depending on outside conditions, reducing energy consumption of the battery significantly.

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### Liquid-cooling becomes preferred BESS temperature ...

As the industry gets more comfortable with how lithium batteries interact in enclosed spaces, large-scale energy storage system engineers are ...

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