

SolarInvert Energy Solutions

Huawei energy storage liquid-cooled battery module



Overview

The Huawei 4.5MWh Smart String ESS is a liquid-cooled battery in a 20ft high-cube container. High energy density is achieved thanks to the advanced cooling system. What is a Huawei luna2000 - 215 kWh C&I battery?

The Huawei LUNA2000 - 215 kWh C&I battery is the new standard in commercial and industrial energy storage. With the HUA-LUNA2K-215-2S10, you benefit from easy installation thanks to fully pre-assembled batteries, and up to 50 cabinets can be connected in parallel for maximum scalability.

What is energy storage system products list?

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.

What is a hua-luna2k-215-2s10 battery?

With an impressive capacity of 215 kWh, this advanced battery solution offers a reliable and efficient way to maximise solar power and meet energy needs. The HUA-LUNA2K-215-2S10 is designed to seamlessly connect to an existing solar power system, allowing the generated energy to be stored for use when needed.

How does a battery pack work?

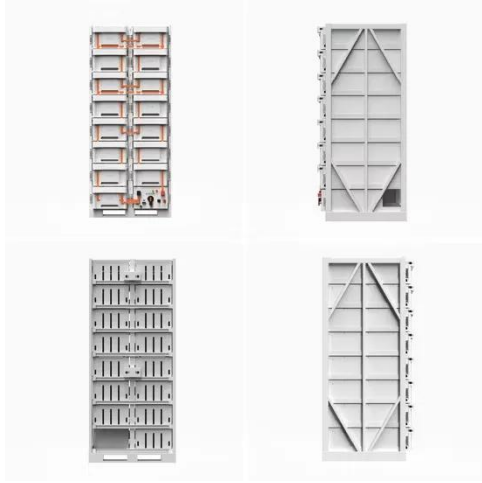
Each battery pack has a built-in energy optimizer 2.0 with an efficient bidirectional balancing topology to improve system efficiency and achieve real-time active balancing without charge and discharge restrictions. This overcomes the short-board effect and increases the usable energy by 2% in the lifecycle.

Why should you buy a Bess system from Huawei?

This flexibility allows the system to adapt to various applications, including peak shaving, self-consumption, and time-shifting. In terms of safety, the new

BESS solution from Huawei features an IP55 protection rating, making it resistant to dust and water splashes, even in outdoor environments.

Huawei energy storage liquid-cooled battery module



1P416S/373kWh Liquid-Cooled Energy Storage Battery ...

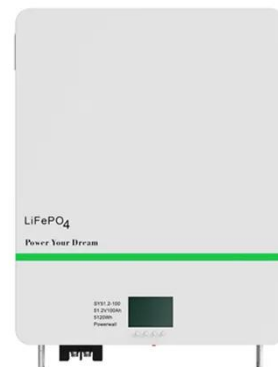
Oct 24, 2023 · At RelyEZ, we take pride in being an innovative global forerunner in delivering reliable, safe and efficient energy storage solutions. Our ground breaking hardware and ...

[Get Started](#)

Huawei launches first hybrid cooling Energy ...

Apr 1, 2025 · Huawei FusionSolar introduces an industry-first hybrid C&I energy storage system that uses novel smart air and liquid cooling systems

[Get Started](#)



Battery Module

The battery module ESM-6440P1 consists of electrochemical cells and a built-in battery management unit (BMU). A battery module has 40 lithium iron phosphate cells (two parallel ...

[Get Started](#)



LUNA2000

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

[Get Started](#)



Huawei FusionSolar C& I Hybrid Cooling Energy Storage

...

Mar 26, 2025 · High Temperature Active liquid cooling mode. The liquid-cooled unit runs actively, low-temperature coolant to quickly cool the cells. The air-cooled module runs in parallel with ...

[Get Started](#)

Fast and Safe: Why Huawei FusionCharge ...

Jan 3, 2025 · When the charging session starts, the battery is at a low battery state of charge (SOC) and is hungry for energy. The liquid-cooled ultra-fast ...

[Get Started](#)



HUAWEI Smart String Energy Storage System

Remote faulty module detection free the



system from routine shutdowns and manual site visits, reducing O& M costs considerably. The new energy storage ...

[Get Started](#)

The Ultimate Guide to Battery Energy Storage ...

Apr 6, 2024 · Maximize your energy potential with advanced battery energy storage systems. Elevate operational efficiency, reduce expenses, and amplify ...



[Get Started](#)



Huawei's grid forming BESS delays fire ignition ...

Feb 26, 2025 · Huawei Digital Power's Smart String & Grid Forming Energy Storage System (ESS) has successfully passed an extreme ignition test in the ...

[Get Started](#)

Smart Charging Network , Huawei Digital Power

Huawei Smart Charging Network integrates FusionCharge solutions with

liquid-cooled ultra-fast charging and versatile modules, driving efficient, reliable EV ...

[Get Started](#)



Smart String Energy Storage System

Introducing the innovative C2C dual-link safety, the Huawei smart energy storage system LUNA2000-215 Series sets a new benchmark for safe and efficient ...

[Get Started](#)

LUNA2000-200KWH-2H1 Smart String ESS

Mar 10, 2023 · More Energy Simple O& M
Safe & Reliable Energy Storage System
Parameters Battery Configuration 12S1P
Maximum battery capacity of the energy storage system Rated ...

[Get Started](#)



51.2V 150AH, 7.68KWH

Huawei's Smart String & Grid Forming ESS ...

Feb 21, 2025 · This groundbreaking test, conducted under real-world scenarios

and innovative methodologies, validates the ESS's capabilities in extreme ...

[Get Started](#)



Huawei unveiled smart Hybrid cooling energy ...

Apr 14, 2025 · Huawei has recently introduced the industry's first commercial new smart Hybrid cooling energy storage solution in Europe. It comes with several ...

[Get Started](#)



LUNA2000-215 Series Specs , HUAWEI Smart PV ...

Learn more about the detailed model, parameter configuration, compatibility, environment, and product description of the LUNA2000-215 Series.

[Get Started](#)

ESS Module 104 kWh

Dec 24, 2024 · ESS Module 104 kWh
Liquid-cooled ESS module based on prismatic LFP cells LFP ESS Cell 314 Ah

with very high cyclic lifetime. Specially optimised for use in stationary ...

[Get Started](#)



Charging EVs superfast with liquid-cooled superchargers

Dec 7, 2023 · Huawei's liquid-cooled super-chargers charge electric vehicles superfast, at the rate of one kilometer of extra autonomy per second. A full charge takes only eight minutes.

[Get Started](#)

Huawei LUNA S1 - 7/14/21 kWh: in-depth ...

Feb 11, 2025 · In this article, we will delve into the new Huawei LUNA S1 energy storage system, designed to provide maximum flexibility and optimization, ...

[Get Started](#)



FusionCharge: Fully Liquid-Cooled Charging ...

Huawei Digital Power introduces a new generation of HPCs, the FusionCharge.



The DC charging system has an internal liquid cooling system, which - ...

[Get Started](#)

Key aspects of a 5MWh+ energy storage system

3 days ago · More than a month ago, CATL's 5MWh EnerD series liquid-cooled energy storage prefabricated cabin system took the lead in successfully ...

[Get Started](#)



LUNA2000-215 Series: Smart Energy Storage ...

Inter-cell heat insulation and rapid liquid cooling, preventing thermal diffusion between cells. IP65 protection, prevent oxygen from entering the battery pack ...

[Get Started](#)



Huawei Batteries , Home & Commercial Energy ...

Huawei batteries provide reliable and scalable energy storage for both

residential and commercial applications. Whether it's for self-consumption, peak shaving ...

[Get Started](#)



Energy Storage System Products List , HUAWEI Smart PV ...

Energy Storage System Products List covers all Smart String ESS products, including LUNA2000, STS-6000K, JUPITER-9000K, Management System and other accessories product series.

[Get Started](#)

Huawei FusionSolar C& I Hybrid Cooling Energy Storage ...

Mar 26, 2025 · The liquid-cooled unit runs actively, low-temperature coolant to quickly cool the cells. The air-cooled module runs in parallel with medium-temperature coolant to cool the PCS.

[Get Started](#)

12.8V 200Ah



Huawei LUNA2000-215kWh: the ideal BESS for ...



Apr 17, 2025 · The Huawei LUNA2000-215-2S10 is a battery energy storage system (BESS) designed for commercial and industrial (C& I) installations. This ...

[Get Started](#)

A comparative study of novel designs of liquid-cooled battery ...

Jan 1, 2023 · J Energy Storage. 2022 Apr 1;48:104014. Hekmat S, Bamdezh MA, Molaeimanesh GR. Hybrid thermal management for achieving extremely uniform temperature distribution in a ...

[Get Started](#)



Huawei FusionCharge Fully Liquid-Cooled Ultra-Fast ...

Liquid-cooled power unit is the core part of ultra-fast DC charging system for public charging station and other sites demanding multiple fastchargers. With AC/DC and DC/DC modules ...

[Get Started](#)

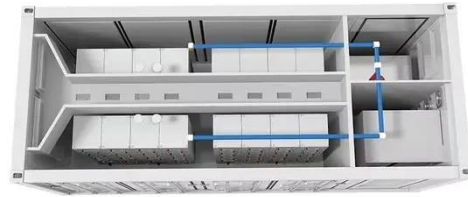
CATL EnerC+ 306 4MWH Battery Energy Storage ...

Jul 3, 2025 · The EnerC+ container is a

battery energy storage system (BESS)
that has four main components:
batteries, battery management systems

...

[Get Started](#)



Smart Renewable Energy Generator, safety and ...

Jun 18, 2024 · Utility: Smart Renewable Energy Generator Solution Huawei has developed the Smart Renewable Energy Generator Solution that features PV, ...

[Get Started](#)

Huawei 4,5Mwh Battery BESS Container ...

The new generation 4,5MWh BESS provides higher energy-density due to liquid cooling. With LFP battery packs in a 20ft container companies benefit with

...

[Get Started](#)



LUNA2000-215KWH ESS

World's first "TUV Safety Prime" certified product, Huawei's 215kWh Energy Storage Solution boasts improved safety,

efficiency and quality. Intelligent ...

[Get Started](#)



Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://www.persianasaranda.es>