



Huawei EU Liquid Cooling Energy Storage

What is Huawei's next-generation energy storage solution?

This next-generation energy storage solution is designed to address the unique needs of the commercial and industrial sectors, combining state-of-the-art technology with Huawei's proven expertise in digitalization and energy management. Key features of this cutting-edge solution include:

What is C&I smart hybrid cooling ESS?

With the slogan "Empower Every Industry", Huawei's C&I Smart Hybrid Cooling ESS goes beyond mere energy generation; it provides businesses with a complete, flexible, and scalable system for energy storage, management, and optimization, maximizing the value of solar energy while reducing costs and enhancing overall energy efficiency.

Where can I find more information about Huawei FusionSolar C&I solutions?

For more information about Huawei FusionSolar C&I solutions and upcoming events, visit Huawei FusionSolar. Frankfurt, Germany - April 9, 2025 - Huawei Digital Power is proud to announce the successful conclusion of the FusionSolar C&I Future Summit 2025, held at the iconic Messe Frankfurt.

What does Huawei do?

Huawei is a leading global provider of information and communications technology (ICT) infrastructure and smart devices. Committed to bringing digital to every person, home and organization for a fully connected, intelligent world. Huawei's end-to-end portfolio of products, solutions and services are both competitive and secure.

How efficient is Huawei ESS?

o Patrick Zank, Business Development Manager at VDE, shared real-world test data, demonstrating that Huawei's new ESS product achieves an impressive 92% round-trip efficiency (RTE) at 0.25C, setting a new benchmark for the industry.

Who is the official Huawei distributor for Benelux & Ireland?

VAMAT B.V. is the official Huawei distributor for Benelux & Ireland. 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 1.12MW (0.25 C) or even 2.25MW (0.5 C) Charge and Discharge Rate.

Intersolar Europe 2023 was held in Munich, Germany from June 14 to 16. Under the theme of "Making the Most of Every Ray", FusionSolar's next-generation all-scenario smart PV solution made a stunning debut, leading the PV industry again with its continuous intelligent innovations of which Huawei's smart string inverter SUN2000-330KTL has once again won the ...

Storage temperature range: -35 °C ~ 60 °C; Operating humidity range: 0 ~ 100%



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(non-condensing) Maximum operating altitude: 4,000 m: System temperature control mode: Hybrid cooling: Balance mode: Active balance: SOC calibration mode: Automatic: Fire suppression mode: Directional gas exhaust Top explosion vent, Aerosol: Auxiliary power supply

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Nominal energy of a battery rack. 215.0 kWh. 215.0 kWh. 161.3 kWh. 107.5 kWh. Nominal capacity of a battery rack. 280.0 Ah. ... Liquid cooling. Liquid cooling. Liquid cooling. Liquid cooling. LTMS model. LunaTMS2000-H008SG00. ... Storage temperature range -35°C to +60°C -35°C to +60°C -35°C to +60°C

Huawei is introducing the next-generation LUNA2000-4472-2S battery energy storage systems, both offering higher energy density through the latest liquid cooling technology. The LUNA2000-4472-2S BESS features ...

With a capacity of 215 kWh, the Luna2000-215 Series battery can be expanded up to 4,300 kWh by combining up to 20 units. Its 100% depth of discharge ensures full utilization of stored energy without compromising the ...

The HUAWEI FusionSolar Residential Smart String ESS LUNA-2000-7/14/21-S1 is a modular residential storage system for outdoor use with IP66 rating. The system is available with a capacity of 7, 14 or 21 kWh. ... Sungrow ...

Battery energy storage system components include a bidirectional inverter, which makes an alternate flow of energy both towards and from the battery possible. ... Cooling systems maintain the temperature of the BESS, preventing overheating or cold damage, whilst the high-level control system coordinates and manages the operation of all other ...

The EnerC liquid-cooled system from Chinese manufacturer CATL is an integrated storage solution with an innovative cooling system. The cell-to-pack solution, also known as CTP, combines the liquid-cooled battery system with a temperature spread between the cells of a maximum of up to five degrees Celsius.

Huawei Digital Power Sub-Saharan Africa announces a ground-breaking solution that will meet the dynamic demands of the commercial and industrial (C& I) energy storage sector across Sub-Saharan Africa. With a focus on system safety, refined management, and intelligent applications, the FusionSolar C& I LUNA2000-215-2S10 significantly advances the energy ...

Huawei has optimized AI tech with the latest cooling energy storage solution and improved data protection



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accuracy by 10%. On the flip side, the new air + liquid fusion is different from the current energy storage models. It has a new "heart setup" for thermal management. ...

The liquid cooling technology, which outperforms in high efficiency and energy conservation, has gradually been applied to high-density IT equipment rooms. 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.

The fully liquid cooling design extends the service life to 10+ years while requires little manual maintenance thanks to its high reliability. The power sharing matrix technology contributes to higher power utilization for greater charging capacity. The reserved DC bus supports smooth coupling with energy storage systems in the future.

LUNA2000-215 Series Specs | HUAWEI Smart PV Global. Huawei Digital Power. Download. EN. ... Smart Energy Controller ... Energy Storage System Parameters. Rated capacity. 215.0 kWh. Maximum cycle rate. 0.5 CP. ...

This innovation is driving the energy storage industry toward higher quality standards. Zhou Tao, President of Smart PV & ESS Product Line, Huawei Digital Power, expressed his gratitude to TÜV Rheinland for awarding ...

Inter-cell heat insulation and rapid liquid cooling, preventing thermal diffusion between cells. Pack Positive Pressure Oxygen Barrier IP65 protection, prevent oxygen from entering the battery pack and prevent fire inside the battery pack.

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 1,12MW (0,25 C) or even 2,25MW (0,5 C) Charge and Discharge Rate. To be combined with 6x ...

The solution consists of the FusionCharge Liquid-Cooled Power Unit and charging dispensers. The maximum power of the power unit reaches 720 kW and the charging current of a single connector is 500 A. The innovative fully liquid cooling design extends the service life to 10 years and reduces the fault rate and O& M costs.

The energy storage system achieves 5% more usable energy and 10%+ higher yields, reducing maintenance costs by auto-sync battery SOC with no need for manual site visits. ... Europe. Austria / Deutsch. Belgium / Français. ... Huawei's on/off-grid ESS gives you an innovative and reliable solution for more sustainable business. As intelligent ...

Enhance your driving experience with advanced cooling and rapid charge times. Discover the power of

Liquid-Cooled Ultra-Fast Charging technology, designed to deliver faster, more efficient EV Fast Charging solutions for modern electric vehicles. ... The Huawei FusionCharge DC Charging Power Unit reserve DC buses for coupling with DC ESSs to ...

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