

Huawei Liquid Cooling Super Charging Energy Storage





Overview

The technology has a peak power of up to 1.5 megawatts, replenishes 20 kWh of electricity per minute, and has a continuous charging current of 2400A for dual guns, allowing heavy trucks to be charged to 90% (about 300 kWh of battery capacity) in 15 minutes, with a replenishment efficiency nearly 4 times higher than that of traditional fast charging piles. What is Huawei EV supercharger?

Today, Huawei launched a brand-new fully liquid-cooled 1.5 megawatt-class supercharger for EVs (electric vehicles). It is the industry's first completely liquid-cooled charging solution that aims to deliver faster and power-efficient services.

What is Huawei intelligent electric & intelligent charging network?

Today, Huawei advanced the state of electric vehicle infrastructure, unveiling what it describes as the industry's first fully liquid-cooled megawatt fast-charging solution at its "2025 Huawei Intelligent Electric & Intelligent Charging Network Launch Conference."

Can Huawei EV charger charge a heavy truck?

Huawei 1.5 megawatt charging solution claims to charge a heavy truck up to 90% within 15 minutes. Meanwhile, reloading will be 4x higher than other charging piles. Speaking of efficiency, the new EV charger is 30% more efficient and costs 20% less in the operational segment compared to previous-gen charging solutions.

How much power does a Huawei battery pack take?

It can sustain a maximum charging current of 2400 amps for a continuous 15 minutes, enabling a 300 kWh battery pack, typical for heavy-duty applications, to achieve a full charge cycle in just a quarter of an hour. Huawei claims this represents a nearly fourfold improvement in replenishment efficiency compared to traditional fast-charging stations.



Huawei Liquid Cooling Super Charging Energy Storage



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[Charging EVs superfast with liquid-cooled superchargers](#)

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



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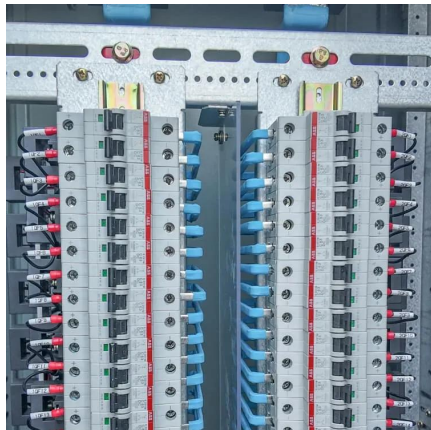
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Energy Storage System Cooling

Dec 4, 2025 · Background Energy storage systems (ESS) have the power to impart flexibility to the electric grid and offer a back-up power source. Energy storage systems are vital when ...



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Aug 19, 2024 · Huawei Fully Liquid-cooled Charging Power Unit Huawei fully Liquid-cooled power unit is a product oriented to electric vehicles for efficient energy conversion and power allocation.

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Huawei releases full liquid cooling super charging technology, charging

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[Liquid Cooling System](#)

Aug 1, 2025 · The liquid cooling system consists of the primary side and secondary side. The primary side includes the cooling tower and (optional) chiller. The secondary side includes a ...



[Liquid-Cooled Ultra-Fast Charging](#)

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

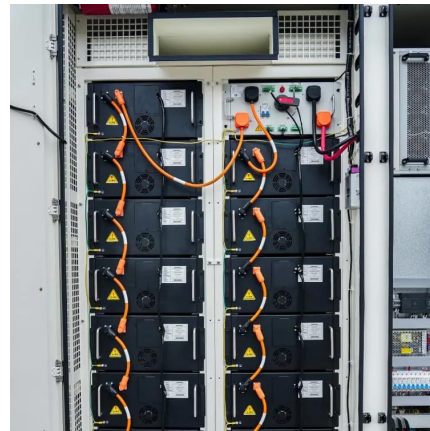


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Jan 30, 2025 · Liquid-cooled power unit is the core part of ultra-fast

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[Top 10 Trends of Charging Network Industry ...](#)

Jan 9, 2025 · We look forward to working with partners to efficiently improve charging networks and promote the green and collaborative development ...



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