

Huawei energy storage fast charging solution



Overview

The FusionCharge solution is engineered to deliver high-speed, high-efficiency charging for a wide range of EVs. Designed for both public and commercial charging infrastructure, the system integrates power electronics, digital technologies, and energy storage into one compact. The charging current of a liquid-cooled charging dispenser is 500 A, enabling faster charging. Quiet charging experience with less than 50dB (A) [3] noise, users can enjoy a quiet environment while charging. The power sharing matrix saves grid capacity, and the charging efficiency is increased to.

SINGAPORE, 6 February 2026 – Huawei and SP Mobility have launched Singapore's first ultra-fast electric vehicle (EV) charging enabled with battery energy storage system (BESS), at Temasek Polytechnic. This marks a key step in strengthening Singapore's public charging infrastructure. On Ap, Huawei unveiled several significant advancements at its "Smart Electric & Smart Charging Network Launch Event," with megawatt-level supercharging technology emerging as a key highlight. This technology boasts a peak power of 1.

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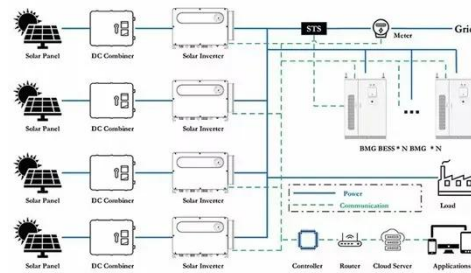
Huawei Debuts FusionCharge EV Charger at Power2Drive 2025

The FusionCharge solution is engineered to deliver high-speed, high-efficiency charging for a wide range of EVs. Designed for both public and commercial charging infrastructure, the system ...

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Driving Low-Carbon Mobility: Huawei's FusionCharge Solution ...

The company unveiled its latest FusionCharge Solution -- a next-generation, high-performance fast-charging ecosystem that merges photovoltaic (PV), energy storage (ESS), and EV ...



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- LiFePO₄
- Wide temp: -20°C to 55°C
- Easy to expand
- Floor mount&wall mount
- Intelligent BMS
- Cycle Life:≥6000
- Warranty :10 years



How Huawei delivers fast, reliable charging

The Huawei FusionCharge - a liquid-cooled distributed DC charging solution - is the 'heart' of high-quality charging infrastructure. Its new liquid-cooling power unit integrates solar PV ...

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Liquid-Cooled Ultra Fast Charger Solutions for EVs

Huawei liquid-cooled ultra fast charger solution delivers high-power EV charging with efficient thermal management, reliable performance, and scalable deployment.

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Huawei and SP Mobility unveil ultra-fast EV charging, integrating

The newly commissioned site integrates Huawei's latest liquid-cooled ultra-fast direct current technology with a battery energy storage system. The BESS stores electricity when the ...

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Huawei Deploys 800km Ultra Fast Charging Stations to Boost ...

With its fully liquid-cooled ultra-fast charging technology, Huawei Digital Power is actively deploying supercharging networks, aiming to solve the problem of electrification of commercial ...

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Huawei introduces liquid-cooled 1.5 megawatt



supercharger for EVs

It is the industry's first completely liquid-cooled charging solution that aims to deliver faster and power-efficient services. New Huawei Supercharger for EVs has the highest power of 1.5 ...

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Huawei Fully Liquid-cooled Ultra-fast and Fast Charging

Compared with traditional solutions, Huawei innovatively adopts the liquid cooling technology and DC bus architecture. The product can output a maximum of 720 kW power at full configuration, and ...



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Huawei's 1.5MW Fast Charging System for Heavy-Duty EVs

Huawei's megawatt flash charging, which sustains a 2400A output for 15 minutes (1200A per gun), significantly surpasses the standard's defined range. This necessitates a highly advanced

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Huawei launches fully liquid-cooled megawatt charger: 1.5 megawatts

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 ...

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