

## SolarInnovate Energy Solutions

# Huawei s megawatt-class energy storage solution



## Overview

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Instead of simply drawing massive amounts of electricity, the facility uses Huawei's integrated solution that combines smart photovoltaics with grid-forming energy storage to create a "source-grid-load-storage" microgrid. 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."

How does Huawei's new charging system improve replenishment efficiency?

Huawei claims this represents a nearly fourfold improvement in replenishment efficiency compared to traditional fast-charging stations. A key technological innovation is the charger's immersive liquid cooling system.

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 does Huawei's smart power system work?

The system incorporates Huawei's self-developed Silicon Carbide (SiC) chips, which offer triple the energy density of conventional silicon-based components. Intelligent features are also integrated, including an innovative power allocation algorithm that dynamically adjusts the output power, mitigating potential impacts on the electrical grid.

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.

Is Huawei launching a 4C ultra-fast charging truck?

While developed with heavy-duty electric trucks in mind for high-frequency scenarios like ports and mines, Huawei has already collaborated with 11 automakers on over 30 compatible 4c ultra-fast charging truck models.

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