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2026-03-25 • 6 MIN READ

First Kempower Mega Satellite MCS in North America charged successfully under real world conditions at EV Realty's San Bernardino hub in California



Kempower, Windrose, and EV Realty recently announced a successful charge using the Megawatt Charging System (MCS) at EV Realty's San Bernardino, California charging hub. This was the first MCS charging session with a Kempower Mega Satellite MCS installed in North America, and a concrete step toward commercial availability of MCS charging as a real, working solution for North American fleet and charge point operators.

The MCS, the newest technology that enables charging powers over 1 MW, enables higher charging speeds, stronger standardization and enhanced operational flexibility for operators. Future heavy-duty trucks are increasingly expected to incorporate MCS charging capabilities with globally leading truck manufacturers already offering the technology.

As new trucks come to market with a longer range and with MCS charging capabilities, there will be a growing need for MCS-capable charging infrastructure that works across vehicle manufacturers in real world operations.

MCS is a potential game changer for fleets looking to reduce dwell times and improve the efficiency of their operations. Fleets are excited about the trucks but have questions about where they will be able to charge. We are building sites that can serve any heavy-duty truck, including those utilizing MCS. This test confirms that we will be ready for real-world MCS charging when the trucks hit the road later this year," said Suncheth Bhat, Chief Commercial Officer at EV Realty.

EV Realty's charging hub features a 1,200 kW Kempower Power Unit connected to two Kempower Mega Satellite MCS dispensers, capable of delivering up to 1.2 MW and 1,500 A of continuous output. Combined with liquid-cooled cable technology, the system is designed to support sustained high-power charging and enable efficient turnaround for heavy-duty electric fleets. The site is set to open in April 2026.

"This milestone of the first successful MCS charging session in North America with Kempower hardware marks a major step for heavy-duty charging in the region, demonstrating real-world interoperability and reliable delivery. The collaboration with EV Realty makes this possible, positioning Kempower's reliable, flexible charging solutions to support the continued electrification of heavy-duty transport in North America," said **Jed Routh**, VP of Markets and Products at Kempower North America.

Kempower recently presented its Mega Satellite at the EV Charging Summit and Expo in Las Vegas experiencing a big interest from the market.

In the past six months, Kempower has been at the forefront piloting and deploying the megawatt charging system, working alongside several partners in truck manufacturing, logistics and charge point operations in groundbreaking MCS truck charging projects in Europe.

Kempower North America Media

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Kempower in brief

We design and manufacture reliable and user-friendly DC fast-charging solutions for electric vehicles. Our vision is to create the world's most desired EV charging solutions for everyone, everywhere. Our product development and production are based in Finland and in the U.S., with the majority of our materials and components sourced locally. We focus on all areas of e-mobility, from electric cars, trucks, and buses to machines and marine. Our modular and scalable charging system and world-class software are designed by EV drivers for EV drivers, enabling the best user experience for our customers around the world. Kempower shares are listed on Nasdaq Helsinki Ltd. kempower.com

EV Realty in brief

EV Realty develops, owns, and operates high-powered EV charging hubs designed to solve a critical barrier to fleet electrification: access to reliable, low-cost, scalable grid power. Our Powered Properties® are strategically located near major freight corridors and industrial centers, providing our customers with dedicated, secure charging solutions where and when they need it most. By aggregating multiple fleets onto shared, private infrastructure, we reduce costs, improve truck utilization, and deliver services that critical commercial fleets require to keep moving. Learn more about how we're building the backbone of the electrified supply chain at evrealtyus.com