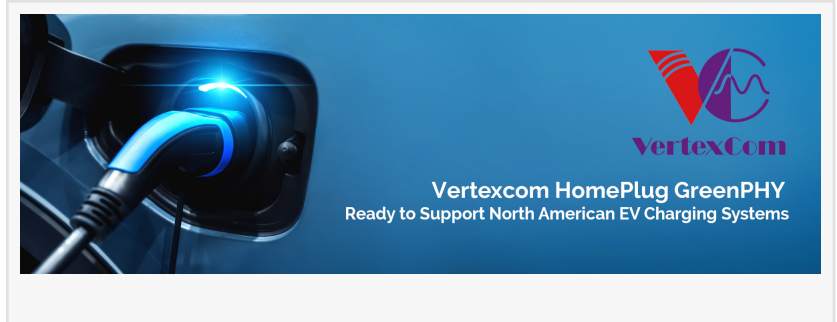


Vertexcom HomePlug GreenPHY: Ready to Support North American EV Charging Systems

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[/EINPresswire.com/](https://www.einpresswire.com/) -- The electric vehicle (EV) revolution is underway, and North America stands among the regions at the forefront of electrification. While many states and provinces have made strides in bolstering their EV infrastructure,



challenges persist, particularly in terms of charging accessibility. Addressing these concerns, [Vertexcom](https://www.vertexcom.com/) offers a reliable solution for EV charging communications via the Combined Charging System (CCS) standard. Vertexcom HomePlug GreenPHY chipsets MSE1021+MSEX24-i and MSE1022+MSEX25-i meet the needs of charging controller and charging station manufacturers as well as leading EV OEMs.

Canada's EV Charging Infrastructure—Stations in Urgent Demand

Canada's commitment to sustainable transportation is evident in its impressive rise in Ernst & Young's 2023 Electric Vehicle Country Readiness Index. The country's climb from 13th place in 2022 to 9th in 2023 reflects its high ranking in electric vehicle supply, demand, and regulations. However, one bottleneck in widespread EV adoption remains the lack of adequate public charging infrastructure. As of October 2023, Natural Resources Canada reports over 24,000 public charging ports, of which more than 4,400 are DC and close to 20,000 are Level 2.

Another report by Dunsky Energy + Climate Advisors sheds light on the pressing need for more charging stations, projecting requirements of up to 14,100 DC and 186,000 Level 2 charging ports by 2030. The report also anticipates a surge in EV ownership, estimating over 4.6 million electric vehicles in Canada by that time. This underscores the urgency for solutions that can make more extensive charging infrastructure a reality.

California's Thriving EV Ecosystem—Leading the US Electrification

According to Veloz EV Market Report, California, the regional leader of EV adoption, is responsible for 34% of all sales of zero emission vehicles (ZEVs) in the United States, with sales in the state soaring to almost 126,000 units reported by California Energy Commission (CEC) in the second quarter of 2023. Moreover, over 1.6 million ZEVs have been sold in the state to date, solidifying California's position as one of global leaders in electrification.

California's substantial investment of over \$10 billion in zero-emission vehicles and infrastructure underscores its commitment to sustainable transportation. Furthermore, the state's recent achievement of 10,000 installed DC fast chargers, two years ahead of schedule, reflects its proactive approach in building a robust charging network.

Vertexcom HomePlug GreenPHY—Ready to Support North American EV Charging Systems
The EV revolution is not just about the vehicles themselves, but also about the infrastructure that supports them. Both Canada and the United States have shown significant progress in this area, but just as in other parts of the world, there is still much work to be done. The demand for charging stations will only grow as more people adopt electric vehicles.

Vertexcom HomePlug GreenPHY is a reliable solution for EV charging systems, both on the charger's as well as on the vehicle's side. The chips are designed to accommodate the CCS standard, based on ISO 15118 and specified by CharIN, the leading industry association with over 330 members dedicated to promoting EV charging standards. Vertexcom SECC chipset MSE1021+MSEX24-i and EVCC chipset MSE1022+MSEX25-i are ready to support North American charging module makers, EVSE manufacturers, and automakers in electrifying the region's transportation.

The future of EV charging in North America looks promising. With companies like Vertexcom supporting industry leaders, we can look forward to a world where convenient charging is the norm rather than the exception. As the EV landscape continues to evolve, Vertexcom's innovative solutions are ready to meet the challenges and opportunities that lie ahead.

About Vertexcom Technologies

Vertexcom Technologies develops communication chips and networking software for long-range, large-scale IoT, smart grids, and automotive applications. The company offers a complete communication solution including Wi-SUN, HomePlug AV & GreenPHY, HPLC, G3-PLC, and hybrid dual-mode communication solutions. As a contributor to international communication specifications, Vertexcom participates in the development of Wi-SUN FAN 1.1 as well as G3-PLC & RF hybrid dual-mode specification. For additional information, please visit: www.vertexcom.com

About CharIN

CharIN is the leading global association with over 330 members dedicated to promoting interoperability based on the Combined Charging System (CCS) as the global standard for charging vehicles of all kinds. It is a non-profit organization open to any company worldwide being involved in the business around e-mobility. For additional information, please visit: <https://www.charin.global/>

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