



Enphase Energy Demonstrates Bidirectional Electric Vehicle Charger Technology

FREMONT, Calif., Feb. 02, 2023 (GLOBE NEWSWIRE) -- [Enphase Energy, Inc.](https://www.enphase.com) (NASDAQ: ENPH), a global energy technology company and the world's leading supplier of microinverter-based solar and battery systems, announced today a successful demonstration of its bidirectional EV charger enabling vehicle-to-home (V2H) and vehicle-to-grid (V2G) functionality.

This product will leverage the power of grid-forming IQ8™ Microinverters and Ensemble™ energy management technology to seamlessly integrate into Enphase® home energy systems. In addition, Enphase's bidirectional EV charger is expected to work with most EVs that support standards such as CCS (Combined Charging System) and CHAdeMO (a Japanese charging standard). The video demonstration can be viewed at www.enphase.com/BidirectionalEVCharger.

"The new bidirectional EV charger, along with Enphase's solar and battery storage system, can be controlled from the Enphase App, empowering homeowners to make, use, save, and sell their own power," said Raghu Belur, co-founder and chief products officer at Enphase Energy. "We are working with standards organizations, EV manufacturers, and regulators to bring this charger to market in 2024."

In addition to charging an EV, Enphase's bidirectional charger will support the following functionality:

- **Vehicle-to-home (V2H)** –enables the EV battery to provide uninterrupted power to a home during a power outage.
- **Vehicle-to-grid (V2G)** –allows the EV battery to share energy with the grid to help relieve the strain on electric utilities during times of peak energy demand.
- **Green charging** –sends clean solar energy directly to the EV battery.

"The Enphase bidirectional EV charger is the next step on our roadmap to building a solar-powered, all-in-one home energy system that further unlocks electrification, resilience, savings, and control for homeowners," said Mohammad Alkuran, Ph.D., senior director of systems engineering at Enphase Energy. "This product will be a game changer for homeowners who want maximum control over their energy usage."

Enphase is working with EV manufacturers to bring this revolutionary technology to market. For more information, please view the white paper at: www.enphase.com/BidirectionalEVCharger.

About Enphase Energy, Inc.

Enphase Energy, a global energy technology company based in Fremont, CA, is the world's leading supplier of microinverter-based solar and battery systems that enable people to harness the sun to make, use, save, and sell their own power—and control it all with a smart mobile app. The company revolutionized the solar industry with its microinverter-based technology and builds all-in-one solar, battery, and software solutions. Enphase has shipped more than 52 million microinverters, and over 2.7 million Enphase-based systems have been deployed in more than 145 countries. For more information, visit <https://www.enphase.com> and follow the company on [Facebook](https://www.facebook.com/enphase), [LinkedIn](https://www.linkedin.com/company/enphase) and [Twitter](https://twitter.com/enphase).

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Forward-Looking Statements

This press release may contain forward-looking statements, including statements related to the expected capabilities and performance of Enphase Energy's technology and products, including safety, quality and reliability; the availability and market adoption of Enphase products; ability for homeowners to manage all their energy resources from a single

app; and potential benefits of Enphase's bidirectional charger. These forward-looking statements are based on Enphase's current expectations and inherently involve significant risks and uncertainties. Actual results and the timing of events could differ materially from those anticipated in such forward-looking statements as a result of certain risks and uncertainties, including those risks described in more detail in Enphase's most recently filed Quarterly Report on Form 10-Q for the quarter ended September 30, 2022, its Annual Report on Form 10-K for the year ended December 31, 2021 and other documents on file with the SEC from time to time, which are available on the SEC's website at <https://www.sec.gov/>. Enphase Energy undertakes no duty or obligation to update any forward-looking statements contained in this release as a result of new information, future events, or changes in its expectations, except as required by law.

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