

# Frost & Sullivan Recognises Enphase Energy with the 2014 Global Frost & Sullivan Award for Technology Leadership

Enphase is the first company to integrate proven computer intelligence into solar energy systems, propelling an industry shift to a new high technology model

LONDON, U.K. — 28 JANUARY — Based on its recent analysis of the solar inverter market, Frost & Sullivan recognises Enphase Energy, Inc. (NASDAQ:ENPH) with the 2014 Global Frost & Sullivan Award for Technology Leadership. Enphase is making considerable progress toward achieving its vision of providing clean, reliable and affordable solar energy to both the mainstream commercial and residential sectors. Its innovative microinverters offer quantifiable benefits to society and the environment, offsetting over 1.8 million tons of carbon emissions. This cutting-edge technology has catapulted the company to the position of the technology leader in the solar inverter market.

Enphase's solution is based on connecting individual microinverters on each solar panel, performing maximum power-point tracking (MPPT), which, in turn, leads to a significant boost in energy harvest. Due to its relentless innovation, the company's fourth generation microinverters (M215 and M250) have emerged as the world's leading inverter technology.

"In 2014, Enphase developed a ground-breaking Energy Management System, including a fifth-generation, smart-grid ready microinverter, plug-and-play storage, advanced control capabilities, and load management," said Frost & Sullivan Senior Industry Analyst Gautham Gnanajothi. "This novel system will help address relevant solar energy challenges, as it integrates the required critical technologies of smart grid intelligence, communications, big data analytics, and storage."

"We are proud to be recognised by Frost & Sullivan with the 2014 Global Award for Technology Leadership," said Paul Nahi, president and CEO of Enphase. "Over the past several years, we have worked diligently to deliver advanced technology that has changed the landscape of solar energy, and this award is a testament to our strong commitment to technology innovation."

The most striking aspect of the Energy Management System is that it benefits all stakeholders (system owners, installers and distributors, and utilities) across the supply chain. Enphase expects that with this technology, solar energy will become a standard home feature. The intelligent technology will enable the remote monitoring and maintenance of millions of systems, thus aiding solar scalability.

In September 2014, the company announced a comprehensive, concept-to-completion solution for commercial installations, which combines the advantages of its intelligent microinverter technology with a complete set of services and partnerships to assist the end user and installer. Additionally, in October 2014, it announced a modular, plug-and-play solution (AC battery) that is fully integrated into the Enphase Energy Management System. This modular battery will allow system owners to store solar energy for night use or future use, optimising solar power consumption and granting higher energy independence.

The company has taken an unusual approach to the development of solar inverters. It has rebuilt them from the ground up, using a new electronic topology based on a digital architecture. This method has made it possible to achieve a high degree of semiconductor integration, improving efficiency and reliability, while reducing costs. Its technology development efforts are spread over multiple areas such as power conversion, communication, visualisation and management software, semiconductors, electronics packaging, and operations and maintenance.

"Enphase's global growth strategy drives market share gains in the U.S. residential market, as well as international markets, while simultaneously expanding into the newer market segments of commercial solar and new solar home construction," noted Gnanajothi.

"In a few short years, Enphase has supplanted traditional inverter technology to become the top solar technology in homes across the globe."

Frost & Sullivan expects that Enphase's high technology business model, world-class products, and superior customer support, combined with its innovative capabilities, will propel its long-term growth.

Each year, Frost & Sullivan presents this award to the company that has demonstrated uniqueness in developing and leveraging new technologies, which significantly impacts both the functionality and the customer value of the new products and applications. The award lauds the high R&D spend towards innovation, its relevance to the industry and the positive impact on brand perception.

Frost & Sullivan Best Practices awards recognise companies in a variety of regional and global markets for demonstrating outstanding achievement and superior performance in areas such as leadership, technological innovation, customer service and strategic product development. Industry analysts compare market participants and measure performance through in-depth interviews, analysis and extensive secondary research to identify best practices in the industry.

About Enphase Energy, Inc.

Enphase Energy delivers microinverter technology for the solar industry that increases energy production, simplifies design and installation, improves system uptime and reliability, reduces fire safety risk and provides a platform for intelligent energy management. Our semiconductor-based microinverter system converts energy at the individual solar module level and brings a systems-based, high technology approach to solar energy generation. Connect with Enphase on Facebook and follow us on Twitter. [www.enphase.com](http://www.enphase.com)

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