



Enphase Energy to Showcase IQ Solid-State Transformer at AI Infra Summit 2026

FREMONT, Calif., Sept. 14, 2026 (GLOBE NEWSWIRE) -- [Enphase Energy, Inc.](#) (NASDAQ: ENPH), a global energy technology company, today announced its participation in AI Infra Summit 2026, from Sept. 15-17, 2026 at the Santa Clara Convention Center in California. Enphase will be at Booth 1454, showcasing its approach to next-generation AI data center power infrastructure, including the IQ[®] Solid-State Transformer (IQ SST).

On Sept. 15 at 12:00 p.m. PDT, Raghu Belur, co-founder and chief product officer at Enphase Energy, will present “Solid-State Transformers: Speed to Power” on the AI Data Center Track.

The IQ SST is being developed to convert medium-voltage AC directly to 800 VDC for high-density AI data centers, with expected sub-millisecond response to dynamic AI loads. Its distributed architecture is designed to scale to racks up to 5 MW.

“AI data centers are forcing the industry to rethink how power moves from the grid to the rack,” said Raghu Belur. “At AI Infra Summit, we will show how Enphase is applying high-frequency magnetics, GaN power switching, custom silicon, and scalable domestic manufacturing to this challenge.”

Enphase recently began building IQ SST power modules at its manufacturing facility in Arlington, Texas, to assemble and validate full-scale IQ SST racks. A video of the power modules coming off the Enphase manufacturing line is [available here](#).

Full-system demonstrations of IQ SST racks are expected in November 2026, with customer pilots planned for 2027. To learn more about IQ SST, visit the [Enphase website](#).

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, EV chargers, home energy management systems, and virtual power plant (VPP) solutions. Enphase products enable people to harness the sun to make, use, save, and sell their own power, all controlled through the Enphase App. The company revolutionized the solar industry with its microinverter-based technology and has shipped approximately 89.4 million microinverters, with approximately 5.3 million Enphase-based systems deployed in over 165 countries. For more information, visit <https://enphase.com/>.

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Forward-Looking Statements

This press release contains forward-looking statements, including statements related to the expected development, validation, performance, product and technology capabilities, architecture, response times, manufacturing and scalability, supply chain, regulatory compliance, commercialization, and timing of full-system demonstrations and customer pilots for Enphase Energy's IQ Solid-State Transformer (IQ SST). These forward-looking statements are based on Enphase Energy's current expectations and assumptions and inherently involve significant risks and uncertainties. Actual results and the timing of events could differ materially from those contemplated by these forward-looking statements as a result of such risks and uncertainties. Such risks include, but are not limited to, Enphase Energy's ability to develop, qualify, manufacture, validate, and commercialize the IQ SST and achieve the targeted technical and system-level performance, including direct conversion of medium-voltage AC to 800 VDC, anticipated sub-millisecond response to dynamic AI loads, and scalability to racks up to 5 MW; the ability to assemble and validate full-scale IQ SST racks and to scale U.S. production and achieve targeted output, yield, and cost; the ability to secure components and cost of supply, including gallium nitride (GaN); the ability of high-frequency magnetics, GaN power switching, custom silicon, and the distributed architecture to perform as intended; the pace and direction of the

AI data center industry's move toward 800 VDC and other changes in data center power architectures; customer adoption; the ability to satisfy applicable regulatory and policy requirements, including domestic content requirements; the timing of full-system demonstrations, customer pilots, and commercialization on the expected timeline; as well as competitive dynamics, execution risks related to entering new markets, and other factors discussed in Enphase Energy's filings with the Securities and Exchange Commission, including those risks described in more detail in Enphase Energy's most recently filed Annual Report on Form 10-K, Quarterly Report on Form 10-Q, and other filings made from time to time with the Securities and Exchange Commission. 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 or otherwise.

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