



Grid tie micro inverter

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Our newest IQ8+ Microinverters are the industry's first grid-forming microinverters with split-phase power conversion capability to convert DC power to AC power efficiently.

The brain of the semiconductor-based microinverter is our proprietary application-specific integrated circuit (ASIC) which enables the microinverter to operate in grid-tied or off-grid modes. This chip is built in advanced 55 nm technology with high-speed digital logic and has super-fast response times to changing loads and grid events, alleviating constraints on battery sizing for home energy systems.

Part of the Enphase Energy System, IQ8+ Microinverters integrate with the Enphase IQ Battery, Enphase IQ Gateway, and the Enphase App monitoring and analysis software.

IQ8+ Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.

IQ8+ Microinverters are UL Listed as PV Rapid Shutdown equipment and conform with various regulations when installed according to the manufacturer's instructions.

IQ8 Series Microinverters redefine reliability standards with more than one million cumulative hours of power-on testing, enabling an industry-leading limited warranty of up to 25 years.

Enphase University certification is required to commission IQ8 Microinverters in systems with backup (Sunlight Backup, Home Essentials Backup, and Full Energy Independence). Solar Only systems with IQ8 Microinverters do not require certification.

Unfortunately, Enphase's at-home EV charger installation services are not yet available in your area. You can [click here](#) to browse electricians with EV charger expertise.

Installation services are available for a single installation site. If you'd like to get multiple EV chargers installed at different addresses, please complete a separate order for each address. To continue this order, please reduce the charger quantity or remove the install service from your cart.

Built with advanced 55 nm technology, our microchip has high-speed digital logic and super-fast response times to changing loads and grid events--alleviating constraints on battery sizing for home energy systems.

With IQ8 Series Microinverters, Enphase Energy Systems are flexible and scalable. Start with an IQ8 Solar Only system and, as energy needs grow, simply add Enphase IQ Batteries and an IQLoadController.



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No single point of failure. If a system with a central inverter fails, solar production will stop completely. With one microinverter per module, solar production keeps working even if a microinverter fails.

Contact us for free full report

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