

The power of Enphase



From better performance to increased safety, here are the 10 essential reasons to choose an Enphase Energy System.

Generate more energy

With Enphase solar systems you get 5% to 15% more energy production than equivalent-size string inverter systems, which are limited by the lowest-producing panel. The Enphase microinverter under each panel operates independently and can capture more energy in shaded or low-light conditions.

Safer for your home

Enphase systems are based on AC power, just like the rest of your home, so you never have to worry about the risk of DC arc fault fires. Enphase batteries are made with cobalt-free LFP chemistry that outperforms other battery technology at high temperatures, reducing the chance of thermal runaway fires.

Industry-leading reliability and warranties

By eliminating parts that are known to break, like fans, Enphase has achieved a microinverter failure rate of just 0.05%. That's how we can provide a 25-year limited microinverter warranty and 15 years for batteries. Our 24/7 customer support will always be there for you, but you probably won't need it.

No single point of failure

Enphase uses a network of microinverters on the roof, and in every battery, that work in parallel to keep your system up and running even if a microinverter fails. Other systems with a single string inverter will shut down completely if the inverter fails, including solar generation and all battery functionality.

More power for your appliances

To maximize your energy bill savings, you'll want to avoid using grid energy when running your appliances. Enphase enables this by providing more power to the home by combining the output of solar and batteries. Other systems are limited to the power output of a single string inverter.

Flexible and modular design

With microinverters, you can choose where to place your solar panels, and a UL 9540A safety rating provides the flexibility to install batteries indoors or out. As your energy needs grow, the modular design of an Enphase system allows you to easily add more solar, batteries, and even EV charging.

One app for everything

Take control of your energy with the easy-to-use Enphase App, and monitor every aspect of your entire system, down to the generation of each solar panel. Or sit back and relax while our fleet management software tracks the health and production status of your system.

Smart and powerful AI software

Our intelligent software manages your energy, so you don't have to. Enphase AI constantly monitors and adjusts your system to maximize your savings. Enphase Power Control dynamically manages power production so you can optimize your system size while avoiding a costly main panel upgrade.

Fast and easy service

In the unlikely event something breaks, Enphase systems are designed to be serviced immediately by your installer on-site and with minimal system downtime. For additional support, Enphase can deploy field technicians that will come to your home to troubleshoot and resolve issues.

Made in the USA

Enphase is now shipping microinverters from manufacturing facilities in South Carolina and Texas, creating new jobs and advancing the country's clean energy economy. With worldwide capacity to manufacture 18 million microinverters per year, we're ready to bring solar to every home.