

The world's most advanced **inverter** technology system



System Overview

Enphase provides the world's most advanced inverter technology for solar systems. Our solution combines innovations in power electronics, networking and web-based software to make solar systems smarter and more efficient.



1 Enphase Microinverter

Maximum Performance

Enphase Microinverters are installed beneath the solar modules on the roof, and they maximize power from each module into standard AC electricity.

Features

- World's most efficient microinverter
- Supports low light and low voltage operation
- Innovative cabling for fast and easy installation



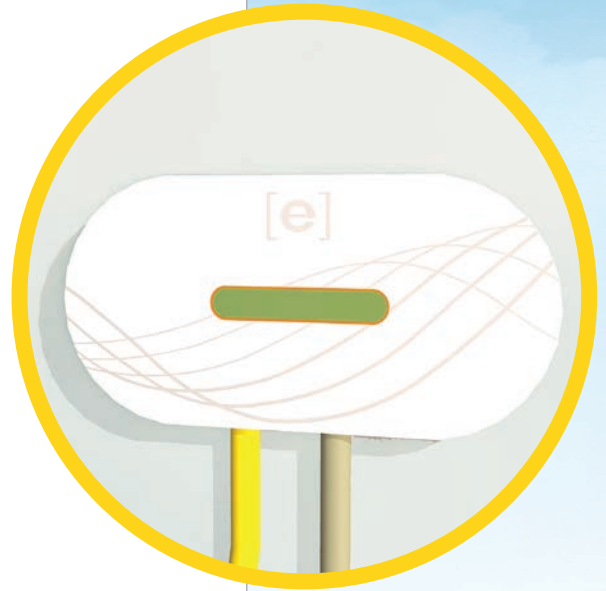
2 Envoy Gateway

Simplified Networking

The Envoy Communications Gateway monitors the health and performance of each microinverter and solar module, and it sends this information to the system owner and installer via the Internet.

Features

- Plug and Play setup
- Communicates over existing electrical wires
- Connects to standard broadband router



3 Enlighten Software

Advanced Monitoring

Enlighten software provides unprecedented solar system intelligence and management capabilities for owners, installers and operators.

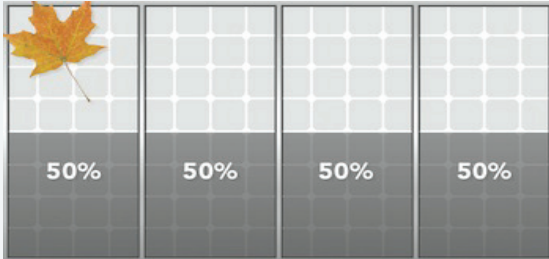
Features

- Remote diagnostics and maintenance
- Promotional features including kiosk display
- Web-based for mobile and desktop



STRING INVERTER SYSTEM

PERFORMANCE



- » Entire system affected by one module
- » Susceptible to soiling, shading and module defects

ENPHASE ENERGY SYSTEM

PERFORMANCE



- » All modules controlled independently
- » Resilient to environmental factors

RELIABILITY

- » 5-10 year warranty
- » Inverter outage affects entire system
- » Problems require special service visit

RELIABILITY

- » Up to 20-year warranty
- » Inverter outage affects small fraction of system
- » Problems solved via remote troubleshooting



SAFETY

- » Requires high voltage DC wiring
- » Poses fire risks by DC arc faults
- » Cannot de-energize during daytime



SAFETY

- » No high voltage DC wiring
- » No risk of DC arc faults
- » Automatically de-energizes when utility power is removed

AESTHETICS

- » Limited flexibility due to DC string design
- » Requires DC conduits, combiners and disconnects
- » Separate installation of inverter unit

AESTHETICS

- » Flexible placement and sizing of systems
- » Microinverters installed directly under module
- » AC wiring can run within building

To learn more about Enphase microinverter technology, visit enphase.co.uk

“The Enphase system is, in some sense, the most important technology breakthrough solar has ever seen.”

— Dan Kammen, UC Berkeley,
Director of Renewable and
Appropriate Energy Lab

