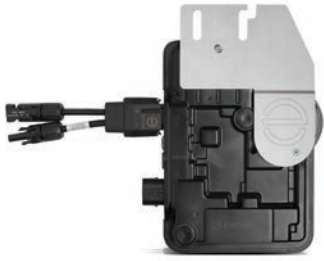


The Enphase Advantage



Enphase Microinverters

Produces More Energy

- One microinverter per panel means more energy produced. Each module is independent, so energy is maximized.
- Third-party verified - Enphase outperforms others, even in unshaded situations.¹

More Reliable and Longer Warranty

- 25-year warranty and reliability to match.
- Industry-leading manufacturing and quality standards.
- Ruggedized for all environments.

Safest Solar

- No high-voltage DC in the system, unlike string inverters.
- Safety requirements are built-in (rapid shutdown), so no additional equipment is required.

Greater Flexibility

- Get the most you can out of your available roof space.
- Easy to add more panels as your needs grow.



String Inverter

Produces Less Energy

- Strings are old technology that is limited to the lowest performing panel. Similar to old Christmas lights - when one is underperforming the whole system is impacted.
- One partially covered panel can stop the production of your entire system.

Shorter Warranty and Less Reliable

- Typically only 10-12-year warranty.
- If extended warranty, a string inverter will have to be replaced at least every 10 years.

High Voltage DC

- Extra caution required when doing routine maintenance.
- Additional equipment required to meet rapid shutdown requirements.

Complicated and Limited Design Options

- Old technology has limitations and can't be customized to make the most of your roof.
- Very unlikely to be able to add panels / grow your system if your needs change.



String Inverter with Optimizer

Produces Less Energy

- String inverter is still a single point of failure.
- Productivity varies by string length.

Shorter Warranty and Less Reliable

- Typically only a 10-12-year warranty.
- Optimizer has a NEMA 3r enclosure.
- Avoid installation in direct sunlight.

High Voltage DC

- DC and AC design required, hundreds of volts of DC on the roof.
- Extra caution required when doing routine maintenance.
- Additional equipment required to meet rapid shutdown requirements.

Complicated and Limited Design Options

- Minimum system size is 8 panels.
- Design changes in field are difficult.

¹ https://enphase.com/sites/default/files/PVEL_Study-on-EE-vs-SolarEdge.pdf