

# DC vs AC



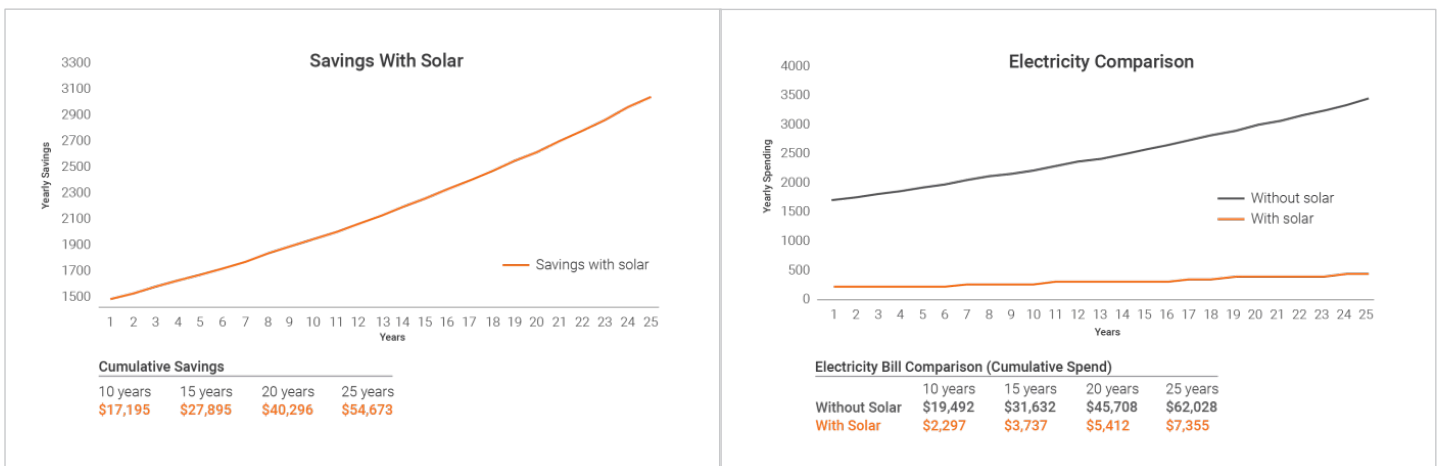
## Traditional DC inverter systems

Traditional DC systems can generate up to 1,000 volts of dangerous high-voltage DC, which must run from your panels through your ceiling to the central inverter located on the side of your home. Even the smallest equipment failure, such as a damaged cable or a loose electrical connection, can cause a DC arc fault creating a serious fire risk.

## Enphase microinverters

Unlike traditional DC solar power inverters, the Enphase IQ microinverter system provides a complete AC solution that uses no high-voltage DC, ensuring a safe solar solution for your home. Other advantages of microinverter technology include more flexibility in system design, panel-level monitoring, and increased power production.

## Enphase solar is an investment you can count on



A solar system for your home is a standout investment:

- Payback in approximately 3-5 years
- Return on investment (ROI): 18% year 1 (savings/investment), 20% in year 3
- ROI increases every time electricity rates increase
- Everything after the payback period is pure profit, tax-free

With Enphase, you get a premium system that ensures you protect and maximise your solar investment with safe, smart, tough solar.

## SAFE

### Safer than other inverter technologies

Enphase microinverters are commonly chosen for daycare centres and schools, since they meet even the strictest government safety requirements.

### Built-in rapid shutdown

Enphase microinverters can safely shut down automatically without the workarounds required for traditional inverters.

### Remote technical support

The Enphase system sends out automatic alerts about technical issues to your installer and enables remote troubleshooting.



## SMART



### A single app for everything

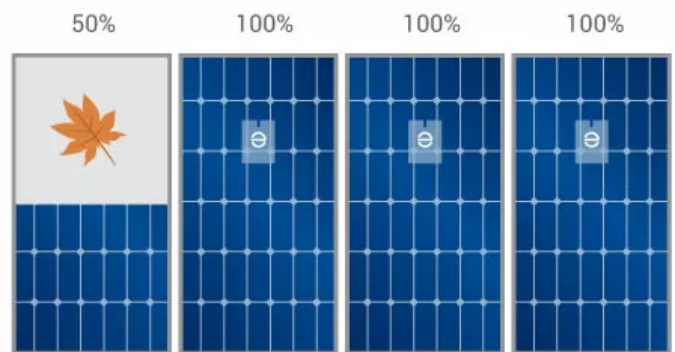
With the Enphase MyEnlighten app, you can track your energy production, monitor your system's health, and share your data with family and friends, all from a simple, easy-to-use interface. It is like your banking app, allowing you to monitor and make the most your solar investment.

### Powerful performance means lower electricity bills

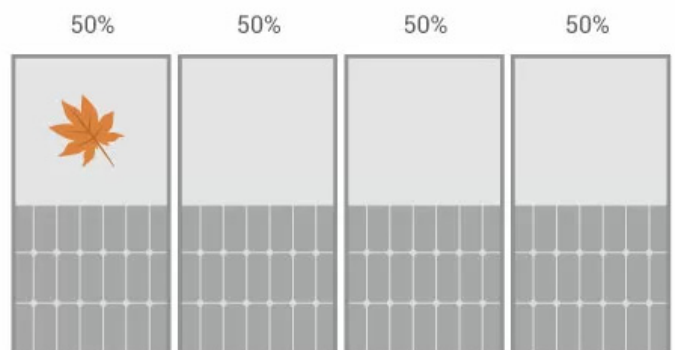
Did you know that a traditional inverter solar system's output is only as strong as its weakest panel? This is because the panels are daisy-chained together like Christmas lights. With Enphase, each panel is fitted with its own microinverter to create panel-level independence and generate the most energy possible.

### Be ready for tomorrow with unparalleled flexibility

Enphase microinverters allow panel arrays to be installed across multiple roof areas and orientations. This level of design agility enables the maximum harvest of sunlight and means that your system expansion options are only limited by your roof space.



Enphase microinverters deliver maximum shading and soiling resilience

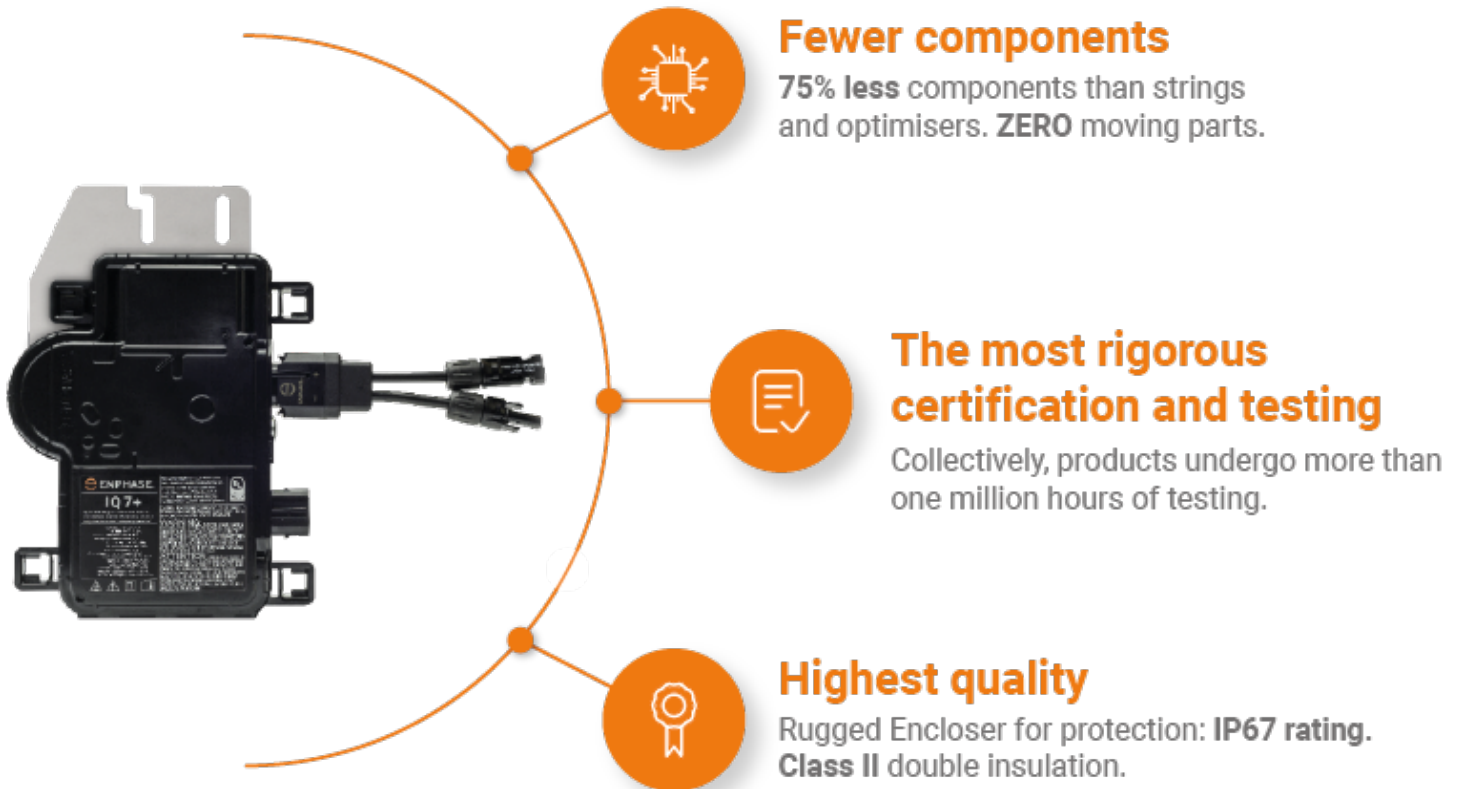


With a string inverter your output is only as strong as your weakest panel

## TOUGH

### Own a system you can count on

Australia's weather is no joke, especially in remote locations. Choose a solar system that is built to last and thrive in the harshest of environments.



### No single point of failure

Unlike traditional inverter systems, where all the power from your panels runs through a single, central inverter, if a panel or Enphase microinverter stops working, the rest of your system will continue to function with minimal disruption.

### Longest warranty on the market

Enphase is obsessive about quality and stands by its products with the industry's strongest warranties. Enphase microinverters come with a 10-year warranty as standard, with options to extend coverage to 15, 20 or 25 years.

