

 ENPHASE. | For homeowners

Step into tomorrow



 ENPHASE.

The new way to power your home

The complete home energy management system



The new energy future has arrived

There's never been a better time to embrace all-electric living. The Enphase Energy System combines solar, storage, and monitoring all on one platform. Reduce your electricity bills, carbon footprint, and dependency on the grid with the latest solar and storage technology.



Start sun smart

Solar panels are important, but the technology under the solar panel makes all the difference. With Enphase, each panel is fitted with its own IQ Microinverter to create panel-level independence and generate the most energy possible.



Shine brighter (even during a blackout)

The Enphase IQ Battery 5P enables you to save your excess solar-generated electricity to use at night when electricity rates peak or when the grid goes down. With more power per kWh than batteries twice its size, it can start and run even power-hungry appliances during a grid outage.



Maximise your energy bill savings

Enphase keeps you connected to your solar and battery investment with a single app for everything. You can see exactly how much power you're making, using, and saving in real time, letting you optimise your energy use to increase your savings even more.



IQ Microinverters
The brains behind the panel

IQ System Controller
The heart of the Enphase Energy System

IQ Battery 5P
More power per kWh than batteries twice its size

Enphase App
Power in the palm of your hands

Enphase App

With the powerful Enphase App, you can monitor your system status from anywhere, letting you track exactly how much power you've made, used, and stored in real time. Plus, you can simply and conveniently turn power-hungry appliances on and off to suit your needs via the app.

See the light (and electricity production)

With a traditional solar system, you may not know if something has gone wrong or where the issue lies. However, with Enphase, our app lets you view how much electricity each individual panel is producing in real-time, allowing you to spot and troubleshoot any potential problems as soon as they arise.

Store and save

You can monitor your system's usage at all times via our app, letting you easily work out the perfect time to use stored power for tasks like heating or cooling your home. Plus, you can quickly switch between using stored power and charging the battery - or set a timer for both.

The power of the sun, at your fingertips

Monitor your energy consumption and production via the Enphase App and use the insights to save even more money. By getting into the habit of tracking and optimising your energy usage, you can insulate yourself from spiking energy bills.

This home generates most solar power from 11am-4pm.



They use the most electricity from 6pm-10pm.



By using stored power at peak tariff times and setting a timer on appliances so that they run between 11am-4pm, this family can boost their savings.



Customer service that shines bright

You can contact customer support directly from the Enphase App.



24/7 technical support



Average wait time < 60 seconds



Integrated call-back function saves time



Provision of self-service, app, chats and forums



IQ Microinverters

The IQ8 Series

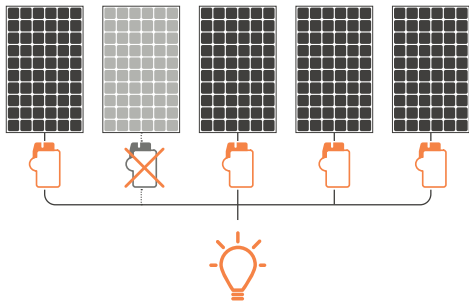
- Pack more power into less roof space with our smartest, most powerful microinverters yet.
- Designed to match the latest generation of high-output solar modules.
- Backed with an industry-leading 15-year limited warranty, extendable to 20 or 25 years.



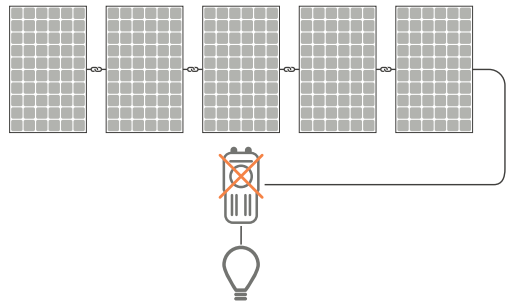
Catch more rays

Unlike traditional string inverter systems, Enphase features independently functioning microinverters under each panel. This means a problem with one panel doesn't impact the performance of the others. So, if one panel slips into the shade, is obstructed or experiences a glitch, the other panels can keep generating peak solar production.

Enphase IQ Microinverters



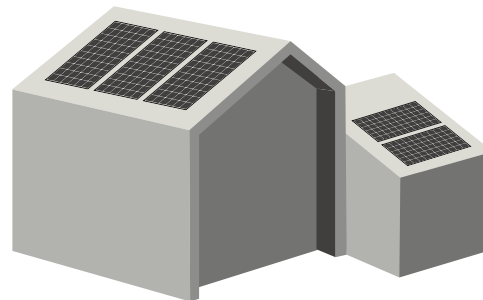
Traditional string inverter



Always the perfect fit

Don't let old-fashioned technology dictate your roof layout or savings potential. Single inverter solar systems can have significant installation limitations that require costly workarounds.

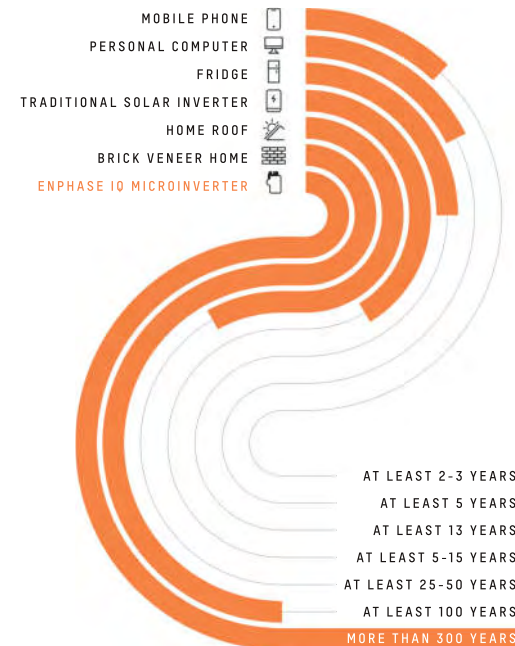
However, Enphase IQ Microinverters allow panel arrays to be installed across multiple roof areas and orientations. This level of flexibility lets you capture the maximum sunlight and means that your system expansion options are only limited by your roof space. Plus, Enphase IQ Microinverters are compatible with virtually every solar panel available.



Built to last many trips around the sun

Enphase IQ Microinverters can last up to three times longer than traditional string inverter systems and are backed by an industry-leading limited warranty, extendable to 25 years. Plus, Enphase IQ Microinverters are IP67-certified - which is just a technical way of saying that they can endure almost anything Mother Nature sends their way.

Mean Time Between Failure (MTBF)



MTBF is not an indication of the actual service life of a product, but is rather an important marker in reliability engineering and has its roots in the aviation industry, where airplane failure can result in fatalities. For details, visit go.enphase.com/au/mtbf

IQ Battery 5P

Tech that's light years ahead



More power per kWh than batteries twice its size

Start and run power-hungry appliances like heaters, aircons, pool pumps, and more - even during a grid outage. The third-gen IQ Battery 5P is the most powerful battery from Enphase yet, with 7.68 kW of peak power and 3.84 kW of continuous power per 5 kWh unit.



Unmatched reliability - industry leading warranty

With a 15-year limited warranty, you can feel confident knowing you'll be saving money and contributing to a clean energy future for many years to come. Plus, an IP55 outdoor rating means you can trust the IQ Battery 5P to deliver power even in extreme weather.



The perfect size for your needs

The IQ Battery 5P is modular by design, so you can start small, go big, or add more batteries as your energy needs grow over time.



A smart app for smarter solar storage

Take full control over your energy. Turn power-hungry appliances on and off from the Enphase App to save your charge during an outage. You can also set your preferences to let the app automatically manage power for you or make changes manually.



Some things just belong together

The IQ Battery 5P combines seamlessly with Enphase IQ Microinverters and the Enphase App to create a complete home energy management system. Determine the perfect time to use your stored solar power for maximum savings and more with a system that will continue to get smarter over time.



A quiet achiever

No moving parts and passive cooling ensure greater reliability and quiet operation.



Next generation battery chemistry

Enphase batteries use cobalt-free Lithium Iron Phosphate (LFP) battery chemistry. This advanced technology enables greater reliability and improved safety.



Shine on and on with reliable, quality solar

Safer solar

Single inverter solar relies on dangerous, high-voltage DC power that can cause fires and significant damage to your home. Enphase systems are inherently safer because they never contain high-voltage DC power, thus eliminating the likelihood of an arc fault fire. Plus, an Enphase system includes built-in Rapid Shutdown so that, in the event of an emergency, your solar power can be turned off instantly and easily, keeping you, tradespeople, and first responders safe.

Easy expansion

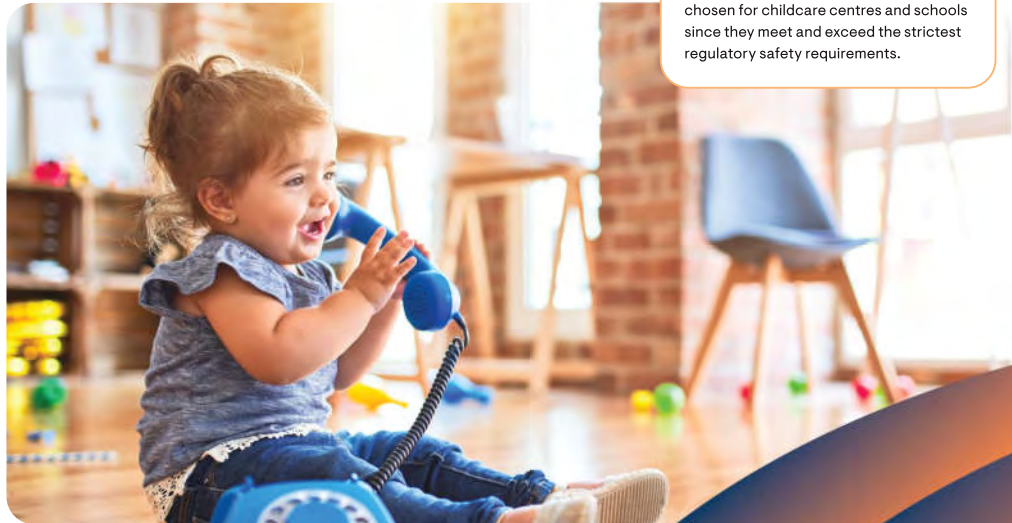
Enphase IQ Microinverters are modular by design so you can easily expand the system if your energy needs grow. Having this level of solar power flexibility is critical to ensure your solar investment is future-proof.

Smarter power

Enphase systems are smart enough to update themselves automatically over the internet to receive the latest software and new features.

A+ for safety

Enphase IQ Microinverters are commonly chosen for childcare centres and schools since they meet and exceed the strictest regulatory safety requirements.



Panel-level intelligence

Easily track production and pinpoint any issues at a panel-level, which simply isn't possible with traditional string inverter systems.

Your Enphase Energy System sends out automatic alerts about technical issues to your installer and enables remote troubleshooting. In most cases issues can be fixed remotely, saving you the hassle of calling out a technician.

The right choice

In a CHOICE member survey on solar PV systems, only 3% of Enphase IQ Microinverter owners reported problems. This is significantly lower than owners of the leading traditional inverter manufacturers.

Percentage of owners who reported a problem with their inverter*



Leading traditional inverter manufacturers



Enphase



*Source: <https://www.choice.com.au/home-improvement/energy-saving/solar/articles/solar-power-survey-results>

The Enphase Installer Network

When choosing a solar installer, it's vital that you do your research to ensure the quality of solar products you choose are matched by quality workmanship. To make things easy, you can feel confident knowing that installers in the Enphase Installer Network (EIN) are constantly audited to ensure the highest installation standards and customer satisfaction.



Only get solar from stars

The Enphase Installer Network is the easy way to find the best solar professionals in your area.

McNae Group is a Platinum Installer



Platinum partners have the longest track record of installing Enphase products. They deliver exceptional quality and earn the highest customer satisfaction scores.



Gold partners have a long track record of installing Enphase products and consistently exhibit great customer experience ratings.



Silver partners have installed a sizeable number of Enphase solar systems. Some of them may be local businesses near you.



McNae Energy and Solar Ltd

MAIL PO Box 9086, Palmerston North 4441

OFFICE 4 Roxburgh Crescent, Hokowhitu, Palmerston North 4410

T 06 3570405 **E** info@mcnae.co.nz **W** mcnae.co.nz **F** [Facebook](https://www.facebook.com/mcnae.co.nz)

 **ENPHASE** | enphase.com