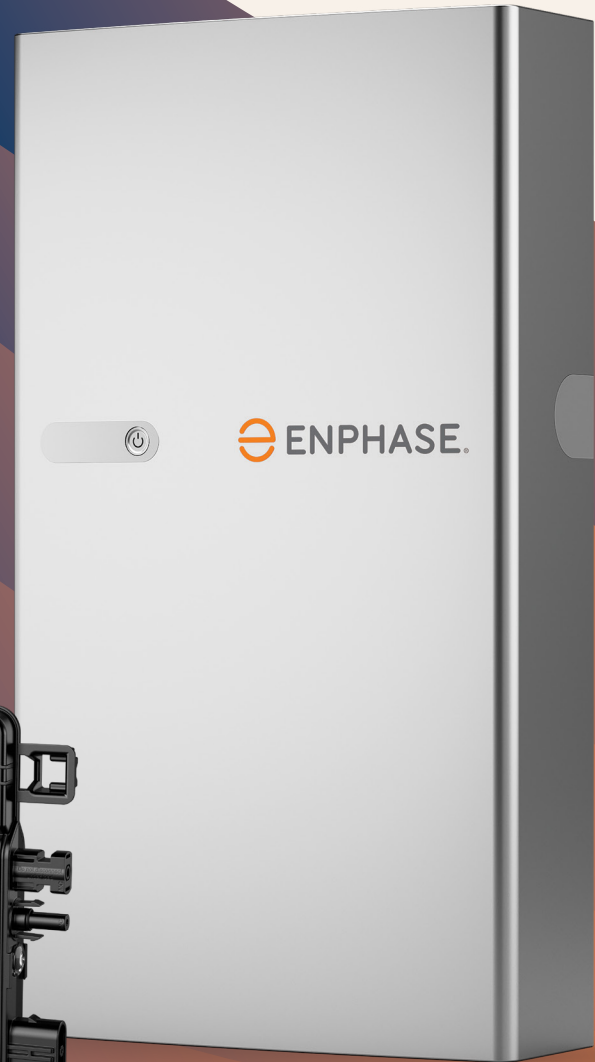


# Step into tomorrow

Discover the Power of Enphase with Tesla Electrical and Solar At Tesla Electrical. We believe in a brighter and more sustainable future for homeowners. Our cutting-edge solar energy solutions are designed to empower you to take control of your energy needs while reducing your environmental footprint.



ENPHASE IQ MICROINVERTERS

# The new way to power your home

The complete home energy management system



ENPHASE IQ BATTERY 5P

ENPHASE APP



## Enphase IQ<sup>®</sup> Microinverters

Most solar systems connect all their panels to a single inverter. This means that if one panel goes down, the whole system can go down with it. With an Enphase<sup>®</sup> Energy System,<sup>™</sup> every solar panel is equipped with its own microinverter to ensure greater reliability, performance, and solar safety. And, with the arrival of our new IQ8<sup>™</sup> Series Microinverters, they're now even more powerful.



## Enphase IQ<sup>™</sup> Battery 5P

Bank the solar power you make and use it anytime, day, night, rain or shine. Lower your electricity bills by using your stored power at peak tariff times and keep the power flowing if the grid has a bad day.



## Enphase<sup>®</sup> App

Always know how much power you're making, using, and saving so you can make informed choices about how best to use the energy your home generates.

# Get tomorrow's home energy today

Step into the new energy future with Enphase. Save money, avoid blackouts, and reduce your carbon footprint with industry-leading solar power production and battery storage that puts quality and safety first.

# Enphase IQ Microinverters

## Introducing the IQ8 series

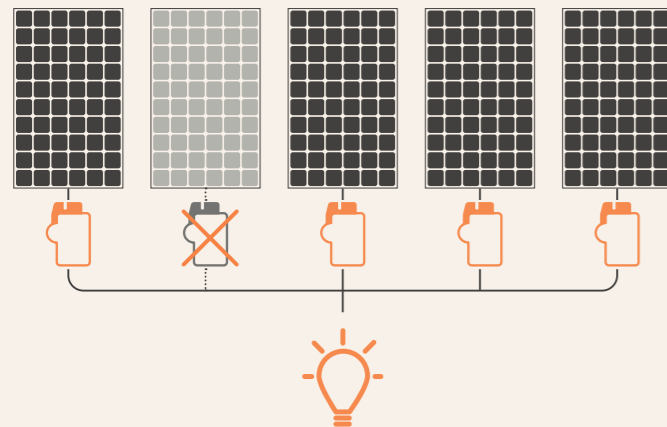
- Pack more power into less roof space with our smartest, most powerful microinverters yet.
- Designed to match the latest generation of high-output solar modules.
- Backed with an industry-leading 15-year limited warranty, extendable to 20 or 25 years.



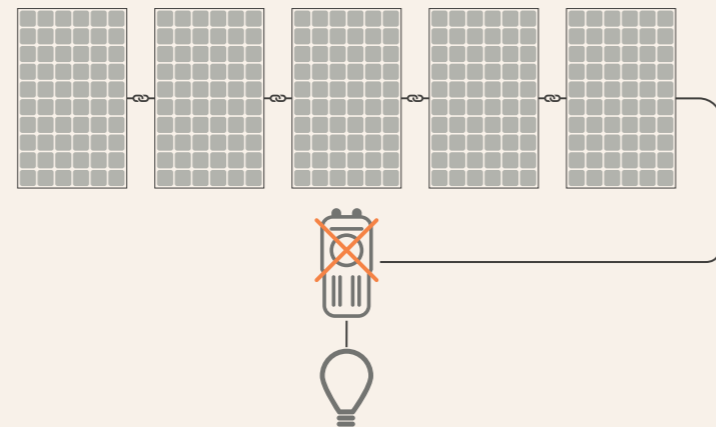
## Catch more rays

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



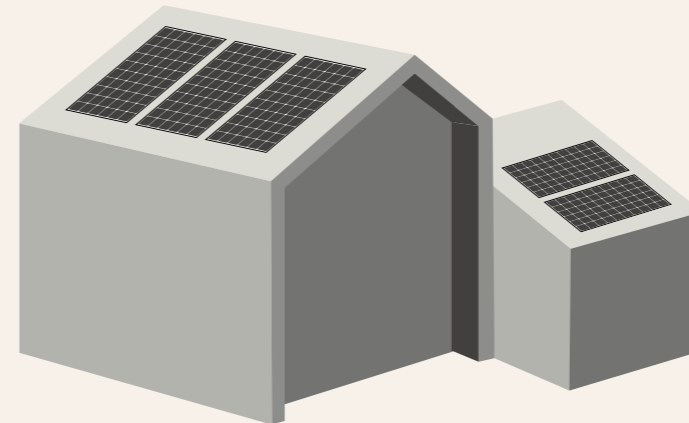
### Traditional string inverter



## 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.

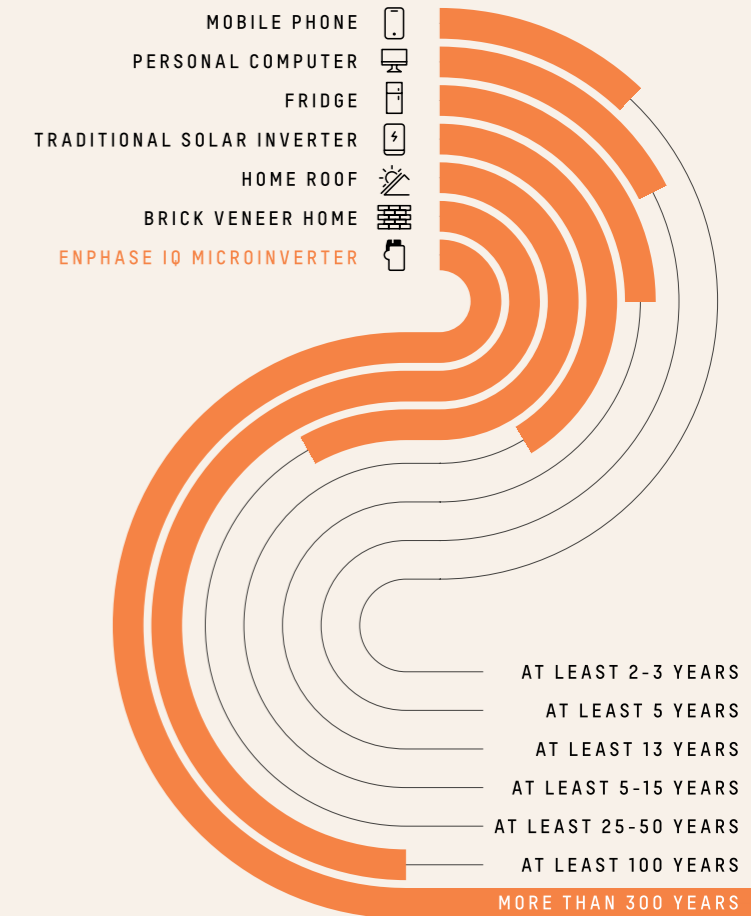
However, Enphase IQ Microinverters allow panel arrays to be installed across multiple roof areas and orientations. This level of flexibility lets you capture the maximum sunlight and means that your system expansion options are only limited by your roof space. Plus, Enphase IQ Microinverters are compatible 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](http://go.enphase.com/au/mtbf)

# The best thing under the sun

## 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>

# Enphase App

The Enphase app can give you a real-time view of your complete Enphase Energy System – from individual panel performance to battery storage. So, you can monitor your system status from wherever you are and know exactly how much power your solar system is producing and storing. And, you can generate reports on energy production by day, week, month, or year – all of it displayed in attractive and easy-to-read graphs and infographics.

## 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





# Enphase IQ Battery 5P

## When the sun sets, it shines

Start your net zero journey with the Enphase IQ Battery 5P. Enjoy more power, more savings, and play a bigger part in the new energy future.

With the Enphase IQ Battery 5P you can capture and store the excess solar energy you generate for use whenever you need. This level of energy agility and independence shields you from unpredictable electricity price hikes and ensures you're the brightest house on the street in a blackout. And, with an industry-leading 15-year limited warranty, you can feel confident knowing you'll be contributing to a clean energy future for many years to come.

## Low voltage, high safety

Enphase batteries use cobalt-free Lithium Iron Phosphate (LFP) battery chemistry and operate at lower voltage AC power, avoiding the dangers of high-voltage DC power. The IQ Battery 5P also meets UL 9540A, the most rigorous industry testing and certification standard for thermal runaway fire propagation protection.

## Design the perfect system for you

A modular 5 kWh size makes it easy for you to start small or go big, depending on the level of energy independence you want for your home. Plus, you can expand your system over time as your energy needs evolve.

## Maximum reliability

IP55 outdoor rated and with no moving parts, you can trust the Enphase IQ Battery 5P to keep delivering power even in extreme weather conditions.

## Easily manage your home energy

Use the Enphase App to control your system and see how much power you produce and consume. You can estimate cost savings, remotely control eligible appliances, EV chargers, and more.

## More power for home appliances

The IQ Battery 5P is the most powerful Enphase battery yet. Start and run your energy-hungry appliances, even during a power outage.



# Why Choose Tesla Electrical and Enphase?

When it comes to solar power, Enphase leads the way. Here are some compelling reasons to choose Enphase for your home's solar energy needs:

**Unparalleled Innovation:** Enphase is at the forefront of solar technology, pioneering solutions that optimise energy production and enhance your savings.

**Reliability:** With our state-of-the-art microinverters, you can rely on consistent and efficient energy production, even in less-than-ideal conditions.

**Peace of Mind:** Our cutting-edge monitoring system provides real-time data, ensuring that your solar system operates at its peak performance. Sustainability: Enphase is committed to environmental responsibility, helping you reduce your carbon footprint and contribute to a cleaner planet.



Get tomorrow's home energy today. Visit [www.teslaelectrician.com.au](http://www.teslaelectrician.com.au) and click on "Free Quote" in the top menu or call on 0438 112 286.

# Telsa Electrical and Solar: Your Distributor in the Northern Rivers



In the Northern Rivers region, Telsa Electrical and Solar is your trusted distributor of Enphase products. They are your local experts in solar energy solutions and are dedicated to providing you with top-quality Enphase products and exceptional service. With Telsa Electrical and Solar, you can count on personalised guidance and support for your solar journey.

## The Enphase Advantage for Northern Rivers Homeowners

**By choosing Enphase through Telsa Electrical and Solar, you unlock a range of benefits tailored to the Northern Rivers region:**

**Local Expertise:** Telsa Electrical and Solar understands the unique energy needs and challenges of the Northern Rivers area and can help you customise a solar solution that fits your lifestyle.

**Reliable Performance:** Enphase microinverters are designed to maximize energy production in variable weather conditions, ensuring you get the most out of your system, even in the Northern Rivers' ever-changing climate.

**24/7 Monitoring:** Keep a close eye on your system's performance with Enphase's comprehensive monitoring tools, giving you peace of mind and control over your energy production.

**Environmental Impact:** Reduce your environmental impact and contribute to a more sustainable Northern Rivers region with Enphase's commitment to clean, green energy.

**The flexibility of the system:** to add more panels when your electricity habits change and any type of panel. String inverter systems with a central inverter are confined to the rating of the inverter and there cannot be any mismatch in the panels. ***There isn't any other system that has the same capability.***



# Join the Enphase Revolution

Make the smart choice for your home's energy needs. Partner with Telsa Electrical and Solar, your local distributor of Enphase products in the Northern Rivers, and embrace the Enphase solar energy revolution. Take control of your energy, reduce your bills, and make a positive impact on the environment.

Tesla Electrical and Solar are Electricians, solar designers and installers with 25 years of electrical experience. We service the Northern Rivers and Gold Coast regions and are based in Kingscliff. Our service areas include Casuarina, Cabarita, Pottsville, Tweed Heads, Murwillumbah and Palm Beach, also servicing from Ballina and Byron Bay to Brisbane.

Tesla Electrical and Solar place an emphasis on getting amazing results for our ongoing customers and offering great service and support. We highly recommend using Enphase Inverters when Investing in solar power. We aim for you to pay as little for electricity as possible, a lot of the time cancelling out your electricity bills. Great product, service and support will guarantee great results."

**For more information and to get started on your Enphase journey, contact Telsa Electrical and Solar today.**

Call us on 0438 112 286

Email us at [cwatson@teslaelectrician.com.au](mailto:cwatson@teslaelectrician.com.au)

Our website: <https://www.teslaelectrician.com.au/>

Tesla Electrical provide service and unparalleled support from Enphase not to mention **25 year warranties**. Tesla Electrical have been using Enphase for 10 years, and has used and tested other systems, and no other system compares to it. All systems are set up for battery backup and will work as an **off-grid system** when there are power outages.

