



Elevate your brand with Enphase



ENPHASE®

For solar installers

# Enphase outlasts, outperforms, and out-earns

Enphase AC-coupled systems deliver a fundamentally better architecture for solar and storage, especially in the real-world conditions of Aussie homes. While hybrid DC-coupled systems are prone to inverter bottlenecks, single points of failure, and upgrade limitations, Enphase's distributed AC design unlocks maximum energy throughput, superior reliability, and seamless long-term scalability.

Enphase isn't just built better, it's built to last, delivering value long after hybrids have tapped out. When maximising customer savings and your profitability, staying power isn't optional. It's everything.



## See the light

	Enphase Microinverters	Hybrid Inverter System	The Enphase Advantage
Single point of failure	No	Yes	Each panel has its own microinverter and each battery contains multiple microinverters. If one component falters, the rest of the system capacity stays online.
Warranty	<b>Microinverters</b> 25-years <b>Battery</b> 15-years, 6,000 cycles	<b>Hybrid System</b> typically 10-years, ~3,000 cycles	Homeowners enjoy twice the energy lifespan compared to competitor technology.
PowerMatch technology	Real-time household demand optimisation	No	32% more usable energy from the same storage capacity in everyday use, with greater than 90% round-trip efficiency across a wide load range from about 100 W to 3.8 kW.
Design flexibility	High	Low	Maximise rooftop space and adapt to design challenges easily with Enphase.
Built for Australian conditions	Yes	Varies	Premium components get the most energy out of every roof and in all conditions: heat, cold, and coast.
Safety	Safe AC on the roof	High voltage DC on the roof	No high-voltage DC on the roof or near the battery, which significantly reduces fire and arc-fault risks.
Modular	Yes	No	Easily scale up panels by adding microinverters, and scale up storage by adding IQ Batteries. No inverter upgrade, no string re-engineering.
Grid-forming backup	Yes	No	Enphase systems keep solar running and batteries discharging together during outages.
Parallel power	Yes	No	With Enphase, solar and storage can deliver power simultaneously. Hybrids must time-share through one inverter, clipping combined power whenever loads spike.
Loss minimising environmental resilience	Yes	No	If one panel is shaded, soiled, or damaged or a microinverter fails, the other modules keep generating at 100%. When a hybrid string drops, the whole array slumps.
Rapid shutdown compliance	Yes	Additional equipment required	Each microinverter stops exporting within <100 ms of grid loss, meeting AS/NZS 4777 requirements without additional gear.

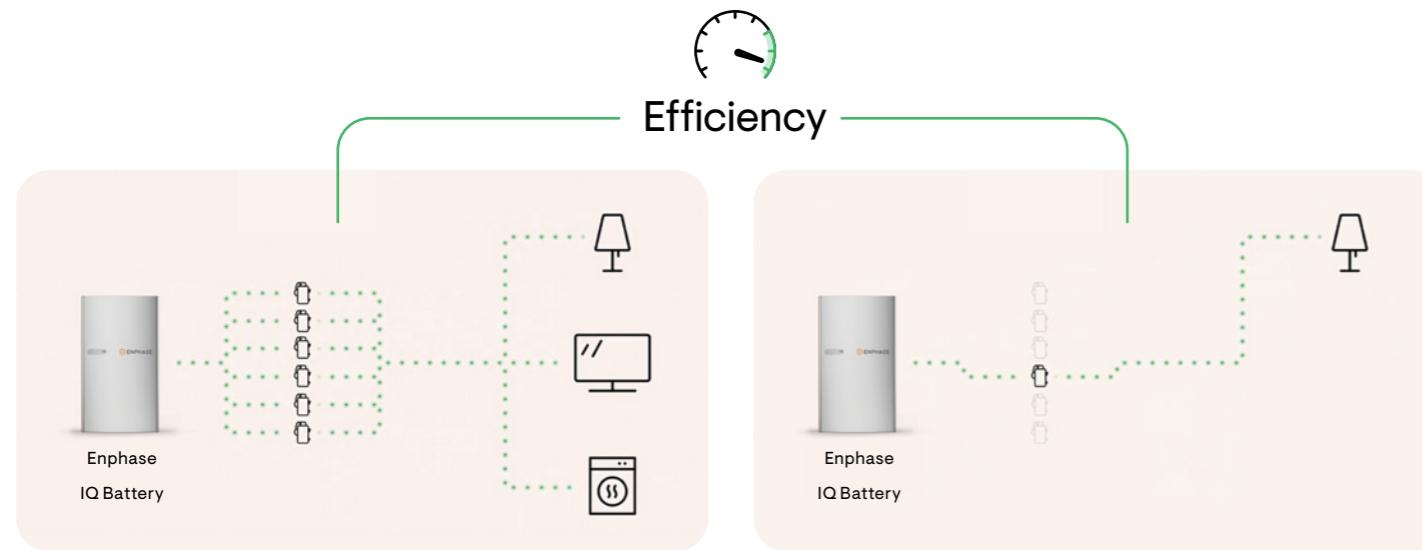
# The end of string theory

## Introducing PowerMatch technology

PowerMatch continuously monitors real-time household demand and activates only the number of IQ Microinverters inside the batteries needed, keeping each one operating in its most efficient range.

In typical homes where power draw is often just a few hundred watts, this intelligent orchestration helps avoid the low-load efficiency losses seen with conventional hybrid inverter systems.

The result is up to 32% more usable energy from the same storage capacity in everyday use, with greater than 90% round-trip efficiency across a wide load range from about 100 W to 3.8 kW.



## Why it matters:

### More usable energy from the same capacity

A 5 kWh IQ Battery with PowerMatch can deliver usable energy comparable to an 8 kWh pack on a typical hybrid system in normal household use, helping reduce the number of batteries required and saving space and hardware costs.

### Slower “cycle burn”

Because more of each kWh is delivered as useful energy, everyday operation can consume fewer equivalent full cycles for the same lifestyle, helping customers get more value from the same cycle rating over time.

### Savings that add up

Enphase analysis indicates approximately \$300 in potential annual bill savings per 5 kWh IQ Battery, which would equal nearly \$5,000 over the life of the product, depending on usage and tariffs.

### Faster charging with fewer losses

Batteries can charge more efficiently, including in colder months, which can reduce dependence on the grid when solar production is lower.

### High efficiency at low loads

By right-sizing the number of active microinverters, PowerMatch maintains high efficiency during long periods of low household demand when hybrid systems often perform poorly.



## Homeowners save more, for longer with Enphase

### How they save more



#### More energy

Microinverter technology maximises the performance of every panel and charges batteries faster. This means more power every day.



#### More uptime

No single point of failure. Each panel and battery runs independently, so one fault won't crash the system.



#### More flexible

Shaded areas? Multi-directional or complex roofs? No problem. Enphase adapts to their home's unique layout. No compromises, just maximum performance and savings.

### How they save for longer



#### More reliable

Built to last for decades with no moving parts to wear out. Industry-leading warranties: 25 years on inverters and 15 years on batteries – double the typical coverage.



#### More durable

Built tough for Australia's harshest conditions: desert heat, salty sea air, and mountain cold. Tested and warranted to perform everywhere.



#### More support

24/7 help from a publicly listed company trusted by 4.8 million homes in over 160 countries.

# IQ8 Series.

## Our most powerful microinverters yet.

The competition  
doesn't measure up.

The brains behind the panel, Enphase IQ8 Microinverters deliver superior reliability, safety, and quality for residential and commercial solar systems.

 Designed to match the latest generation of high-output solar modules.

 Comes with an industry-leading 25-year limited warranty.

 Plug and play AC architecture makes it easy to design, install, and commission.

 0.05% failure rate – that's only 500 failures for every 1,000,000 units installed.

 IP67-certified for maximum resistance to extreme conditions, including ocean fronts.

 No single point of failure and remote diagnostics means less call outs.

 Pack more power into less space than other rooftop systems.

 Add new panels at any time.

### IQ Microinverters



Industry-leading limited warranty



**IQ8AC**



**IQ8HC**



**IQ8X**



**IQ8P**

**Module Pairing**

350 - 480 W

**Module Pairing**

350 - 505 W

**Module Pairing**

350 - 505 W

**Module Pairing**

350 - 630 W

**DC Voltage Range**

18/60

**DC Voltage Range**

18/60

**DC Voltage Range**

25/79.5

**DC Voltage Range**

16/65

**Module Compatibility**

High power/  
High current

**Module Compatibility**

High power/  
High current

**Module Compatibility**

High power/  
High voltage

**Module Compatibility**

High power/  
High current

**Rated Power**

360 VA

**Rated Power**

380 VA

**Rated Power**

380 VA

**Rated Power**

480 VA

**Burst Mode Technology**

Burst Mode Technology

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**Burst Mode Technology**

Burst Mode Technology

**Rapid Shutdown**

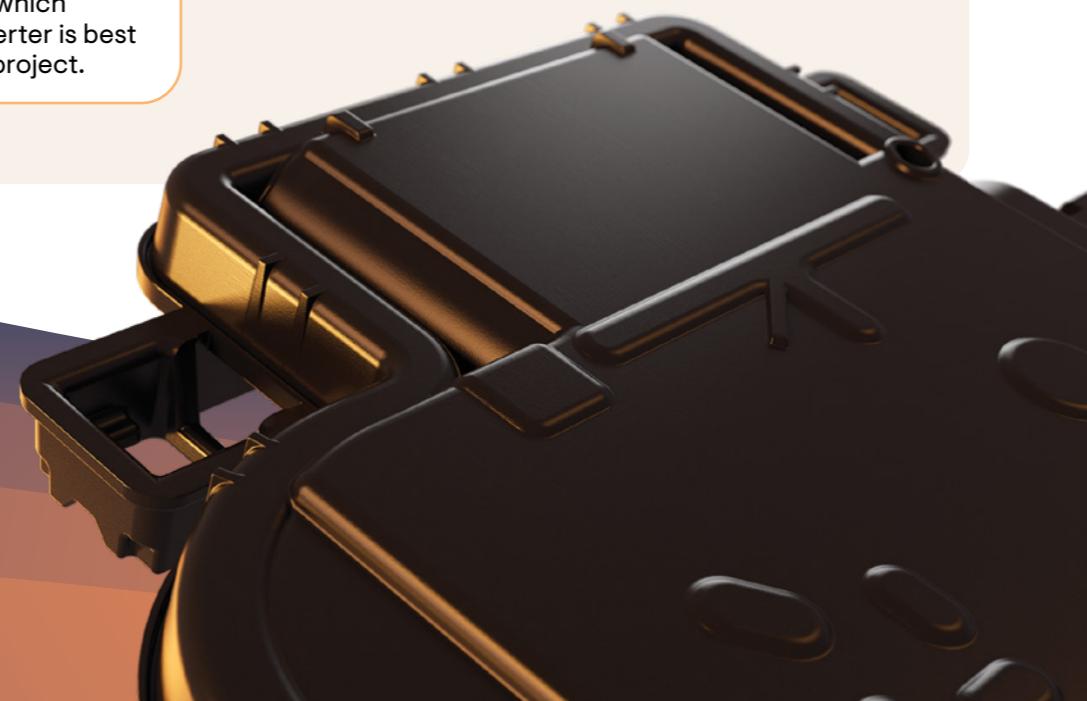
**Rapid Shutdown**

**Rapid Shutdown**

**Rapid Shutdown**



Find out which microinverter is best for your project.



# Two very powerful apps

## Enphase App

The power of the sun, at your customers' fingertips



### Review system health and performance

The Enphase App gives homeowners a real-time view of their energy production, consumption, and storage - so they can make informed choices about how best to use the energy their home generates.



### Panel-level production insights

Homeowners can easily view how much electricity each individual panel is producing, allowing them to spot and troubleshoot any potential problems as soon as they arise.



### Future-ready

New features are constantly being added to the app, such as the capability to support connections to smart energy devices and compatible EV chargers.



### High IQ

With IQ Load Control you can ensure the Enphase IQ Battery 5P lasts longer in an outage by prioritising and directing power to critical loads.



### Customer service that shines bright

Contact support and troubleshoot system issues directly in the Enphase App.



## Installer App

It will brighten your workday



### Easy system setup

The Enphase Installer App makes it simple to activate Enphase systems while on the go, so installation and commissioning are more efficient than ever. You can easily add homeowner details and seamlessly connect microinverters, IQ Gateway, and Enphase system devices.



### Grid profile

Select the appropriate grid profile for each residence to intelligently manage storage priorities and manage export limits. You can remotely change these settings too.



### Meter configuration

Ensure reliable data communication, across solar, storage, and grid power. You can now also remotely reverse CT polarity using the Enphase Installer Portal.



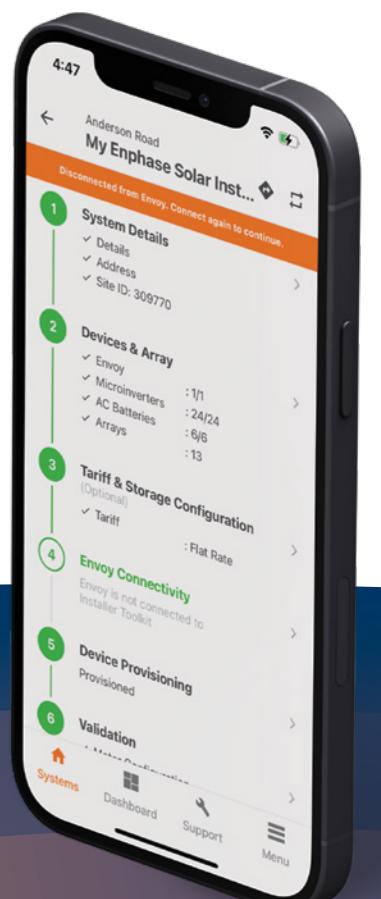
### Module-level monitoring

Your system array layout can be built on-screen by scanning your microinverter serial numbers directly into a virtual array map.



### Select phases

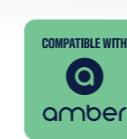
Enable your Enphase system to seamlessly operate on 1, 2, or 3-phase installations.



# IQ Battery 5P with FlexPhase

**More powerful.  
More versatile.  
That's our Flex.**

Whether you're installing at a single-phase or three-phase power property, the IQ Battery 5P with FlexPhase adapts seamlessly. So you have the flexibility to configure the system to suit your customer's energy needs and budget, resulting in smarter system sizing, greater efficiency, and better long-term value.



## More power. Built to last. Proven technology.



### **Under 30-minute commissioning**

Spend less time on site.



### **Power that adapts to every home**

Supports single or three-phase power with variable output maximising opportunity.



### **Extended protection**

Backed by an industry-leading, 15-year limited warranty up to 6,000 cycles.



### **A quiet achiever**

Passive cooling with no moving parts like fans.



### **No single point of failure**

Six swappable IQ8D-BAT Microinverters.



### **More ways to install**

Sell grid-tied or backup configurations.



### **Convenient modularity**

5 kWh units make it easy to build a system sized to your customers' specific needs.



### **Safer chemistry**

Cobalt-free lithium iron phosphate (LFP) chemistry reduces the risks of thermal runaway fires.



### **PowerMatch technology**

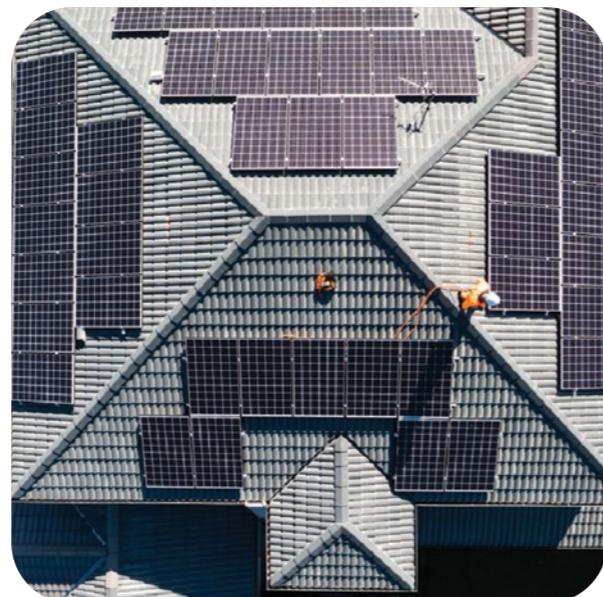
Up to 32% more usable energy than other energy storage systems every day and across its lifetime equal to nearly \$5,000 in savings over the life of the product.



Your new single source for Enphase documentation.

# Seamless system expansion with IQ8

A software update means that you can now easily expand existing IQ7 systems using the latest IQ8 Microinverters without needing to replace the IQ Gateway. This enhanced compatibility creates a powerful opportunity to re-engage customers who are ready to grow their energy systems.



# VPP integration that treats homeowners like VIPs

Give your customers a genuine advantage: Enphase IQ Batteries are fully integrated with Amber SmartShift – one of the few VPPs that lets homeowners keep 100% of their wholesale energy earnings.

While most programs take a cut, Amber keeps it simple. Customers just pay a small monthly subscription and pocket all the returns from selling stored solar when prices peak.

The result is a compelling value proposition: maximum returns on battery investment and higher customer satisfaction. For full program details, [visit amber.com.au](http://amber.com.au).



# IQ EV Charger 2



## Robust hardware meets intelligent, future-ready software.

Developed for universal compatibility, the IQ EV Charger 2 is an innovative smart charging solution that integrates seamlessly with any home energy system or works as a powerful standalone charger. With advanced energy management, users can optimise EV charging for potential cost savings and maximise solar usage, delivering an intelligent and convenient EV charging experience.



### Flexibility

- 7.5 m charging cable
- Charge at full power from -40°C to 55°C
- Installation and commissioning in less than 13 minutes



### Reliability

- All-weather, IP55-rated enclosure for indoor/outdoor installation
- Ruggedised connector for all Type 2 EVs
- Advanced thermal protection to operate in direct sun
- Industry-leading 5-year warranty and 24/7 support



### Safety

- Relay weld detection
- 6 mA RDC-DD for DC leakage detection
- Seismic and tilt sensor

# Enphase training and support

## Become a solar star



### Events and webinars

Earn CPD points. Join us in-person, live online, or learn in your own time with on-demand webinars.



### Training videos

Learn Enphase system design, installation, and commissioning best practices.



### Enphase university

Access the official Enphase installer training program and earn CPD points.



### Engineering design reviews

Our engineers are available to assist you at the design stage to ensure a smooth installation and commissioning process.



### Self-service warranty claims

Save time and get reimbursed faster with self-service warranty claims and quick labour reimbursement payments.



### <1 Minute support wait time

Our 24/7 Australian-based technical support team measures wait times in seconds – not minutes or hours.



## Shine brighter

The Enphase Installer Network is here to empower you with the essentials to grow your business. Get exclusive lead generation, engaging promotional material, and priority access to cutting-edge products and more. We're dedicated to helping you sell more, install more, and ultimately, enjoy more success with Enphase.



Learn  
more



## The journey doesn't end here

### Installer documentation centre

Download data sheets, tech briefs, installation guides and more.



[Learn more](#)

## Enphase authorised distributors

### Australia

**AC Solar**  
Warehouse

**Lawrence & Hanson**  
A Sonopar Company

**GREENTECH**  
your renewable energy partner

**TRADEZONE**  
.com.au

### New Zealand

**AC Solar**  
Warehouse

**ESG**  
Energy Systems Group

