

First Install Producing Energy and Evidence of Proven Technology

CHALLENGE

Convince installer and solar clients of proven alternative to traditional inverters

SOLUTION

Swap proposed traditional inverters for Enphase System with advanced monitoring

RESULT

Business asset and selling tool for safer, smarter solar installations in Australia



“With Enphase, we can produce renewable energy with quality products that ensure reliability and industry confidence.”

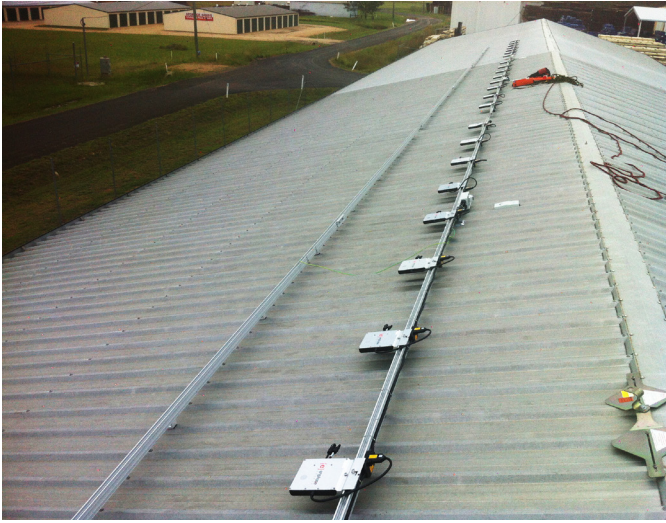
—Owen Blamires
Managing Director
Wondai Electrical Service

Increasing demands for financial savings and a clean energy future have people everywhere turning to the smartest solar technology available. To help educate local solar seekers, Wondai Electrical Service introduced the first Enphase System to Queensland, Australia.

Making Businesses Better

Taking full advantage of solar's many benefits, Wondai Electrical Service decided to transform their business into a greener outlet for themselves as well as their customers. Having already shifted the buildings' air conditioning and HWS to a more economical tariff, Wondai Electrical hoped to achieve financial savings by exporting energy through an approved I.E.S. agreement on solar power.

Working with Ergon Energy to receive proper I.E.S. approval, Wondai Electrical was granted a 5kW array designed with European string inverters set to power



The Enphase System allows each module the capability to harvest power individually, bringing production losses to a minimum.

the premise's commercial offices, training room, and combined electrical workshop and warehouse.

Saying Goodbye to String Inverters

Prior to installation, the site's solar accredited staff were introduced and trained with a new type of proven solar technology recently made available in Australia: the Enphase System.

Convinced that the microinverter's easy installation, higher safety rate, and maximum harvest capability were better suited for the project, Wondai Electrical Service said goodbye to their original designs and switched to Enphase, making their array the first Enphase installation in Queensland.

"After learning about the Enphase System and being trained with its technology, the decision to use microinverters was obvious," said Owen Blamires, Managing Director of Wondai Electrical Service. "The process of communicating between individual module inverters through the Envoy Communications Gateway to a cloud-based web platform was so simple to comprehend it almost seemed too good to be true."

The remote monitoring capabilities of Enlighten also allowed Wondai Electrical to provide potential solar customers with accurate and detailed data about their system's progress via the Internet.

To learn more about the benefits of the Enphase System, visit enphase.com/au.

INSTALLATION SUMMARY

Client **Wondai Electrical Service**

Location **Queensland, Australia**

Installer **Wondai Electrical Service**

System Size **5kW**

Microinverters **Enphase M215**

Modules **X Trina 'Honey' 250W multicrystalline**

"By switching to Enphase, we were given an alternative option to the traditional inverter that enabled real-time monitoring and analysis for each individual module," added Blamires.

Spreading the Enphase Name

Home of Queensland's first Enphase array, Wondai Electrical Service now has the opportunity to share their Enphase experience with customers who are also looking toward solar for a greener future. Wondai Electrical Service has the ability to promote the Enphase System by demonstrating the capabilities of harnessing PV energy through the array's physical presence and Enlighten's web-based presence remotely.

The system has produced more than 1.7mWh of clean energy since installation in April 2013, equivalent to offsetting over one ton of CO₂.

About Enphase Energy

The Enphase System revolutionizes solar power generation with industry-leading technology innovation. Enphase's proven microinverter technology maximizes production of each module, which works together with advanced communications hardware and an intelligent software platform to deliver a reliable, high-performance solar array.