

# Enphase Energy and Yingli Solar chosen for Landmark Sustainable Living Project in Melbourne

Five x Four Hayes Lane Project showcases how, with the right technology, solar power can integrate and complement bespoke architecture

MELBOURNE, Australia – November 6, 2015 – Enphase Energy, Inc. (NASDAQ: ENPH) and Yingli Green Energy Australia Pty Ltd\* announced today the installation of a solar photovoltaic (PV) system on a unique, four storey home built on a 20 square metre footprint in East Melbourne, Victoria, using Enphase Energy® microinverters and Yingli Solar photovoltaic (PV) panels.

Featured on Grand Designs Australia yesterday, the Five x Four Project sets a new precedent for the design and running of a sustainable home in Australia as it considers the full life cycle of a building's development from its design, use of materials to its day-to-day operations.

The four kilowatt installation has been built without compromise for liveability and functionality with 15 Yingli Solar n-type Monocrystalline 270W Panda Series panels integrated into the building's façade and roofline. The installation comprises over three different angles including six panels installed vertically on the northern façade of the building. This unique approach to solar system design demonstrates that when using world-leading solar technology, there are no limits to achieving maximum output throughout the day.

Energy drawn from these panels is converted into electricity using 15 Enphase M250 Microinverters, designed to deliver a superior standard in reliability, power and efficiency. Microinverters have been installed behind each panel, helping to maintain the building's striking aesthetics. Occupants and the public will be able to monitor the system's generation in real time through Enphase's Enlighten software at [https://enlighten.enphaseenergy.com/pv/public\\_systems/x7XG495196](https://enlighten.enphaseenergy.com/pv/public_systems/x7XG495196) This intelligent, cloud-based platform provides insights on energy production, the health of the system and pre-emptive alerts to any potential issues.

Nathan Dunn, Managing Director at Enphase Energy Asia-Pacific said, "Enphase is delighted to be part of this iconic residential development that sets a benchmark for sustainable living through thoughtful design. Through the Enlighten platform, the occupants will be able to gather insights on their energy generation – and soon consumption – through an engaging interface. In addition, Five x Four is set to be one of the first homes in the world to generate, store and control its own power using the revolutionary Enphase Home Energy Solution including the Enphase Storage System."

Daman Cole, Managing Director for Yingli Green Energy in Australia said, "Home owners throughout Australia have embraced solar identifying its cost savings and environmental benefits. We are delighted to see that the Five x Four Hayes Lane Project have taken this dream one step further by maximising its small footprint to generate the highest possible solar generation."

"Yingli's n-type Panda panels were used, as they produce more power per square metre compared with traditional solar technologies, especially where roof space is limited. This installation showcases how innovative technology can be integrated on buildings of all shapes and sizes, achieving the highest level of energy output for years to come."

With Five x Four's estimated peak cooling load on a 40°C day being under 3kW, the solar system will generate more power than the home will consume, therefore exporting approximately 20 percent of the system's generation back to the grid. This will change with the installation of the Enphase Storage System, an AC Battery to allow Five x Four to store its solar power for use at night.

Ralph Alphonso, Owner and Project Manager of Five x Four said, "Generating power on site was one of the key components and goals of the 5x4 Hayes Lane Project. It was important for us to maximise the energy output for our tiny footprint, and the performance specifications of both Yingli Solar panels and Enphase microinverters enabled us to do just that. The combination of these two products gave us flexibility in the design to balance liveability and high energy production."

The Five x Four Hayes Lane Project has been modelled on a minimal life-cycle energy and One Planet Living approach. Slotting between existing buildings, this pre-fabricated residential dwelling will house two people and over three floors. The One Planet Living approach has a commitment to enable a building's occupants to monitor their ecological footprint and adapt their behaviour to yield better results.

A video of the Five x Four Project can be seen at [www.fivexfour.com/solar](http://www.fivexfour.com/solar). For full specification details, visit [www.fivexfour.com/solar](http://www.fivexfour.com/solar).

\* Yingli Green Energy Australia, known as Yingli Solar, is a wholly-owned subsidiary of Yingli Green Energy, one of the world's leading vertically integrated photovoltaic (PV) module manufacturers.

#### About Yingli Green Energy

Yingli Green Energy Holding Company Limited (NYSE: YGE), known as "Yingli Solar," is one of the world's leading solar panel manufacturers. Yingli Green Energy's manufacturing covers the photovoltaic value chain from ingot casting and wafering through solar cell production and solar panel assembly. Headquartered in Baoding, China, Yingli Green Energy has more than 30 regional subsidiaries and branch offices and has distributed more than 14 GW solar panels to customers worldwide. For more information please visit [www.yinglisolar.com](http://www.yinglisolar.com) and join the conversation on Facebook, Twitter and Weibo.

#### About Enphase Energy

Enphase Energy, a global energy technology company, is leading the charge to bring smart, connected solar energy to every home, business and community. The company delivers simple, innovative and reliable energy management solutions that advance the worldwide potential of renewable energy. Enphase has shipped approximately 10 million microinverters, and over 350,000 Enphase residential and commercial systems have been deployed in more than 95 countries. Enphase has offices in Sydney, Melbourne and Christchurch with sales, marketing, customer technical support and engineering teams that service the Asia-Pacific region. Join Enphase on LinkedIn and Twitter and visit [www.enphase.com](http://www.enphase.com) for more information. Enphase Energy®, the Enphase logo and other trademarks or service names are the trademarks of Enphase Energy, Inc.

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