

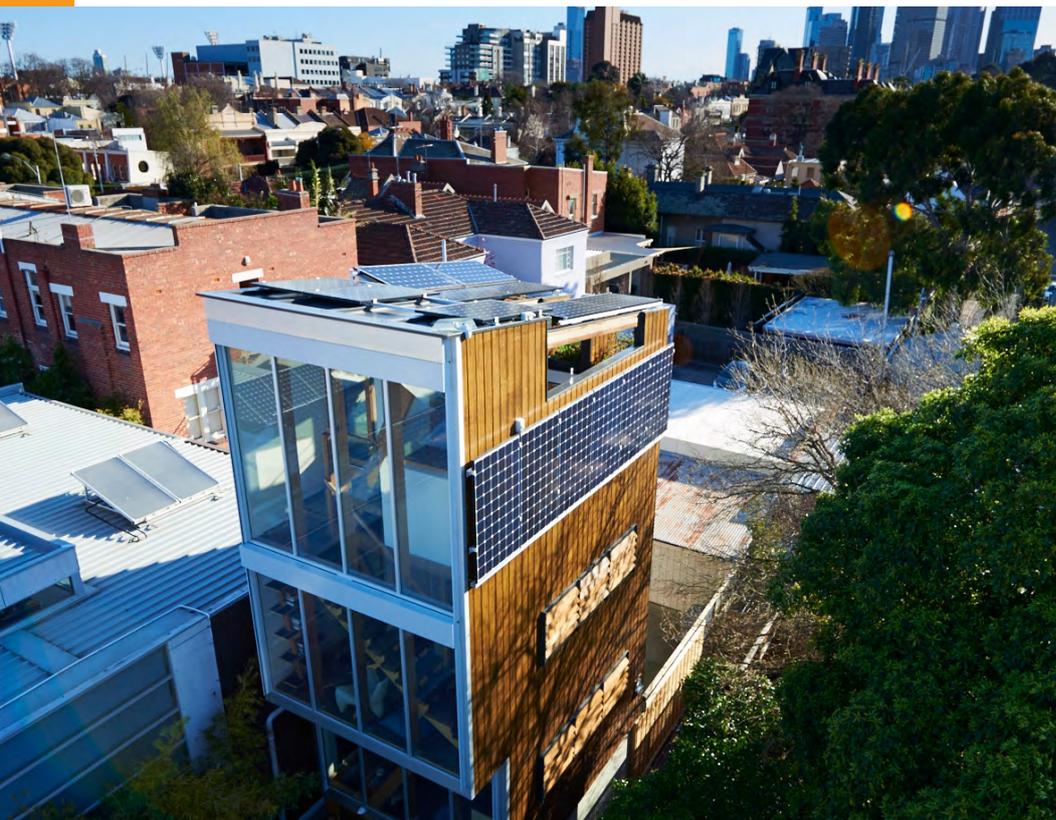
SUCCESS STORY

5X4 HAYES LANE PROJECT

East Melbourne, Victoria, Australia



RESIDENTIAL



INSTALLATION

Customer	5x4 Hayes Lane Project
Project	Rooftop/Façade Installation
Location	East Melbourne, VIC
Size	4.05Wp
Module Type	270W PANDA N-type Monocrystalline
Connected	May 2015

TECHNICAL SPECIFICATIONS

Number and Module Type	15 x PANDA 270W
Inverter	15 x Enphase M250 Microinverter
Battery	Enphase Home Energy Solution
Orientation	Multiple

A GRAND DESIGN OVER 5X4 METRE FOOTPRINT

Featured on Grand Designs Australia, 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.

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.

“Important to maximise the energy output”

“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. ”

– Ralph Alphonso, Homeowner & Founder of Barley Store Production



KEY BENEFITS OF THE SYSTEM

- Track the energy generation here - https://enlighten.enphaseenergy.com/pv/public_systems/x7XG495196
- Watch a walk through video of the site here - www.fivexfour.com/solar
- 15 panels installed across three different angles, including 6 vertically placed on the northern façade
- Modelled on a minimal life-cycle energy - 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.