

Renewable Energy and Environmentally Sustainable Design Case Studies

Tigo Module Maximisers

- for partially shaded roof

Site:

Port Melbourne, Melbourne, Victoria

Dates:

- System Design: June 2013
- System Installation: July 2013
- System Commissioned: July 2013

Client:

Jim Beringer

Project Goals:

Design, supply and install a grid-connected power system for household supply using Tigo Energy Module-level Maximisers to reduce shading impact from large tree on street (on north-west side of roof). Plus solar & electricity usage monitoring to allow householders to manage their energy usage and take advantage of solar Feed-in and Time of Use tariffs.

Project Features:

- Roof-mounted photovoltaic array consisting of 13 x 260W Winaico polycrystalline PV panels
- SMA Sunny Boy SB4000TL Inverter
- 7 x Tigo Dual Maximisers 300W MM-2ES50
- 1x Tigo MMU, Gateway & monitoring
- 1x Watts Clever solar & electricity usage monitor with In-Home Display (IHD)
- Complete system documentation including maintenance schedule and log sheets.
- System Size: 3380 W
- Expected Average Output: 4000kWh/year

Testimonial:

" After researching and comparing several solar energy companies, we chose Going Solar because of their excellent customer service. Many companies only wanted to quote over the internet and were not keen to send out somebody to inspect the site and consult on alternatives. Because our site was a bit out of the ordinary, some companies did not even want to quote! Going Solar gave us the best advice and consulted with us every step of the way. We are happy with our installation and are pleased to recommend Going Solar to anyone considering solar power."

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Jim Beringer

Project Team:

- Miwa Tominaga, System Designer, Going Solar
- Ross Shaw, Lead Installer, Electrical contractor
- Daniel Jung, Lead Installer, Electrical contractor



PV Panels on Roof



Inverter & Isolators



Tigo's Panel Monitoring Interface



Solar monitor & In-Home Display

Further Information:

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