



Century Solar Energy

Grid-connect Solar PV System Case Study



3kW Solar Power System

12 Canadian Solar 250W Polycrystalline Modules

3kW Sungrow SG3KTL Single Phase Inverter

Berala - NSW Australia

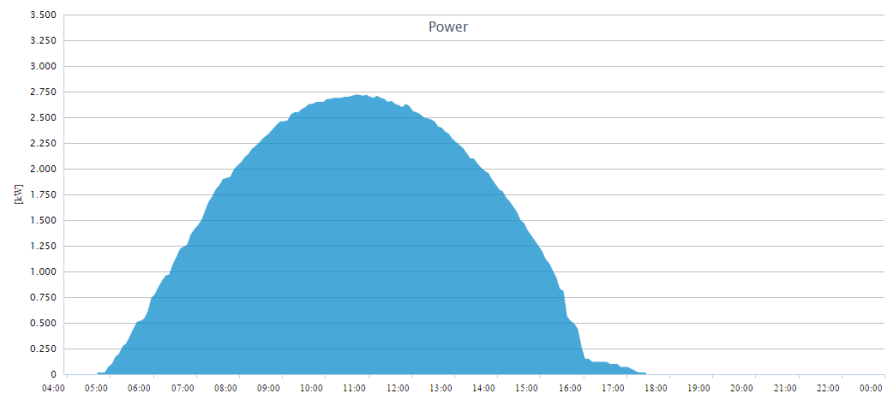
Project Summary



A 3kW system installed in a quiet suburb in Sydney is aimed to reduce the occupant's electricity-dependency of the utility network as well as reducing their electricity costs.

The system works by absorbing photon energy from the sun and convert to electricity using the solar photovoltaic panels. Electricity generated at that time will be used directly by the occupants and excess energy can be exported to the grid. If energy produced by the panels are not sufficient, your meter will automatically switch back to grid energy.

At the peak hour rates of as high as \$0.53/kWh (inc. GST) in current electricity market, having a solar power system will help maximize savings by covering the costs of electricity during that period.



Location
Berala NSW

Project Type
Residential Grid Connect

Project Size
Single-phase 3kW

Module Type
Canadian Solar CS6P-250P

Inverter Type
Sungrow SG3KTL

Date Installed
October 2014

Orientation
North East (azimuth 6°, tilt 22°)

Product Highlights

- Outstanding performance at low irradiance
- Long term system reliability
- 25 Year performance warranty insurance
- Comes with easy to use monitoring device
- Local warranty in Australia

High Energy Yield

IP67 Junction Box

PERFORMANCE WARRANTY 25 Years

FREE Monitoring

LOCAL Warranty



Estimated Yearly Savings²

\$1,600/Annum



Estimated Yearly Yield¹

5.1MWh/Year

1. Based on a yearly average of 4.7PSH. 2. Based on current electricity market rate