



Case Study Mount Hutton Residential



The Tylers have become more energy conscious since installing their Solar Frontier CIS modules, helping them earn even more money from their installation.

Site Overview

Location	Newcastle, Australia
Coordinates	32.9°S 151.6°E
Average global irradiance	1,662 kWh/m ² /yr
Average temperature	18.8 °C • 65.8 °F
Average precipitation	1,127 mm • 44.3 in/yr

Installation Overview

Date onstream	November 2010
System capacity	9.2 kWp
Panel type	SC85-A (82.5W)
Number of installed panels	112
Tilt angle, orientation	30° (avg.), 0° North
Output 23/11/10 - 12/1/11	2,359 kWh
Average CO₂ reduction	2,139 kg • 4715 lbs
Inverter	SMA SMC 5000 (x2)

"We found that the Solar Frontier panels had the best ratio of actual output to rated output, the best temperature variation and the best lifespan. You get more bang for your Watt!"



Geoff Tyler
Homeowner
Mount Hutton
New South Wales
Australia

Families around the world are giving greater consideration to the impact of their daily purchases and lifestyle decisions. From the outset, Geoff and Bronwen Tyler of Newcastle, Australia, envisaged living on a completely eco-friendly property that would provide a sustainable lifestyle for them and their family. The couple's self confessed 'green bias', together with the rising cost of electricity and the solar rebates available, made the decision to go solar a simple one.

The Tylers chose Solar Shop Australia for their solar installation and after looking into all the different choices available, they selected Solar Frontier CIS photovoltaic modules. Solar Shop Australia installed a 9.2 kW system with 112 panels and its performance - and aesthetics - have exceeded expectation. "I can't believe how they made my roof look so modern and new," Bronwen said. "And we earn approximately \$2,500 AUD per quarter from our solar panels," added Geoff.

Solar panels make a valued addition to the family home. The real estate market is experiencing growing demand for houses with green credentials, which increase the property's value, while also passing on the benefits of solar power to the next generation. With electricity costs on the rise, solar panels not only make good sense environmentally, but financially too.

About Solar Frontier

Solar Frontier is committed to creating the world's most ecological, economical solar energy solutions, on the world's largest scale. Our proprietary CIS technology (denoting key ingredients copper, indium, and selenium) has the best overall potential to set the world's most enduring standard for solar energy. For more information visit www.solar-frontier.com