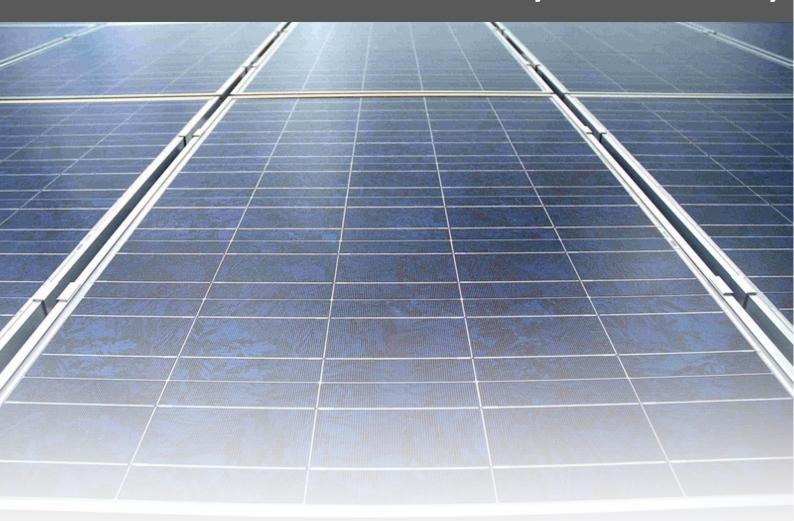
**Commercial Grid-connect Solar PV System Case Study** 



## 10kW Solar Power System

40 Canadian Solar 250W Polycrystalline Modules
10kW SMA STP 10000TL Three Phase Inverter

## **Project Summary—EDEN Motor Inn**





Location **Eden NSW** 

**Project Type Commercial Grid Connect** 

**Project Size** Three-phase 10kW

**Module Type** Canadian Solar CS6P-250P

**Inverter Type** SMA STP 10000TL

Date Installed May 2015

Orientation North West (azimuth -23°, tilt 22°) A 10kW system has been installed in a quiet suburb in rural NSW to reduce the daily 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.

The design was based on roof space availability and budget. 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.



## **Product Highlights**

Outstanding performance at low irradiance

Long term system reliability

25 Year performance warranty insurance

Comes with easy to use wireless monitoring

Local warranty in Australia





Estimated Yearly Savings<sup>2</sup> \$5,000/Annum

Estimated Yearly Yield<sup>1</sup> 14.75MWh/Year

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

