



**Century Solar Energy**

## **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**

**Berala - NSW Australia**

# Project Summary—EDEN Motor Inn



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



High Energy Yield

IP67

Junction Box

PERFORMANCE WARRANTY

25 Years



FREE Monitoring



LOCAL Warranty



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

