



Location

Mount Isa, QLD, 4825

Project Completed

June 2014

System Size

90kW

Estimated Annual Production

170MWh

CO2 Savings

148 Tonnes, that's 740 trees a year

Return on Investment

2.8 Years

15 Year Saving

\$1.83 Million

Solar Inverter

4 x SMA Tripower STP17000TL-10

Solar Panels

360 x Trina TSM-250PC05A

Array structure

Flat Array

Tariff

22 Day/Night

The Irish Association commissioned the 90kW solar panel system to be installed on the roof of its accommodation buildings to help combat the business's sky rocketing energy costs.

Solar was a natural choice for the accommodation due to the direct kW offset against the high tariff rates and the Irish Association's location in North West Queensland. Tariff 22 rates are charged at 40.9 cents ex GST a kW per hour between the hours of 7am and 9pm and 14.4 cents

ex GST at off peak times.

With the installation of solar these

daytime running costs have significantly reduced and the Irish Association have experienced a noticeable decline in their power bills.

"Eventually power costs would have put us out of business"

- Bernard Gillic (GM)

"We have the best sun in the world so we should be making the most of it"

The system was the first to ramp down power output of the inverters enabling

it to prevent exporting electricity into the local grid. IEC60255 compliant protection relays were also installed to satisfy Ergons strict grid protection requirements, providing secondary zero export function.

Considering a commercial solar project?

Contact us on 0447 400 748