

## Case Study - Roleystone SUPA IGA - 30kW



Roof installation image

Upon completion of the successful IGA solar PV trials at IGA Canning Vale and IGA Geraldton, Solargain received approval from the Metcash state retail operations manager, Kevin Rothery, to approach all the individual IGA store owners in WA.

Ross Anile at Roleystone SUPA IGA was one of the store owners impressed with the results of the trial and who wanted to investigate the benefits of commercial solar.

The attractive tax free return on investment and value addition to the business bottom line were some of the main reasons behind his decision to invest in a solar PV system.

The approach taken by Roleystone SUPA IGA was to start with a 30kW system size and from there once the results were satisfactory, upgrade to a larger system in a number of years time.

They also invested in a solar hot water system as a means of further offsetting energy costs.

The solar PV system comprises 120 x 250W Renesola panels and 2 x SMA 15000TL Sunny Tri Power inverters. The system is split evenly across and flush mounted to the East/West orientated roof.

### Project Overview

**Location:** Roleystone, WA

**Completed:** September 2013

**System size:** 30kW

**Roof Fixing Method:** Flush Mounted 20 Degree pitch

**Products:** - 120 x 250W ReneSola 250W panels  
- 2 x 15kW SMA Sunny Tri Power 15000TL inverters

**Annual Energy Production:** 41.6MWh approximately

**Annual Greenhouse Gas Emission Reduction:**  
34.95 Tonnes CO<sub>2</sub> e (CO<sub>2</sub> equivalent)

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*"The yield from the system has so far been better than projected by Solargain. The monthly savings on our electricity bill are in excess of \$1,500. A recent increase in our electricity rate has meant that the savings from the solar have also increased. I would recommend the combined solar PV and solar hot water system as a comprehensive means of reducing supermarket energy costs."*

Ross Anile  
Owner

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