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www.solatube.com.au



Innovation in Ventilation

Solar Star, the solar powered roof ventilator from Solatube Australia, is the most environmentally-friendly roof ventilation solution today.

Best of all, Solar Star brings you a solution that **cost nothing to operate**. By placing the unit where it is most effective, the highest point on the roof, it can properly circulate air and ventilate the roof space, **transforming any home into a comfortable living environment**.

Powered by Solar Star's proprietary 10-watt solar panel, this breakthrough product has been designed to last season after season.

Heat and moisture are every roof cavity's worst enemy. While many homes have small passive vents, most are ineffective in moving enough air to expel heat and moisture. The technologically advanced Solar Star, "**powered by the sun**", solves both issues. Most electric powered roof ventilators are engaged by a thermostat, so they only work when temperatures have already built up. Because of this, thermostat activated units are forced to play catch up with that built-up heat. Other systems may only have a humidistat measuring the moisture level in a roof space. This is an issue as well because when humidity levels reach the preset activation level, condensation and moisture have already reached a critical point.

The solution is Solar Star. Solar Star doesn't have the costly problem of replacing thermostats or humidistats like electric ventilators. And since Solar Star functions from sunup to sundown, humidity and temperature levels never reach those critical activation levels. The result is a properly ventilated roof space which prolongs your roof's life, lowers your utility costs, and makes your living environment more comfortable.

Benefits of Solar Star®

- Prevents roof heat from building up in summer and help eliminate condensation in winter
- Vents up to 180 square metres of roof space
- High performing built in motor exchanging air up to an impressive 22 cm/m (cubic metres per minute) or 1320 cm/h (cubic metres per hour)
- Can be placed wherever improved air circulation is needed, including warehouse, garage, shed or any other closed in area
- Performance and Lasting Value
- 1 Solar Star equals up to 14 wind vents
- Compact, low profile and contemporary design
- 10 YEAR Warranty on roof flashing and metal ventilation components.
Installation warranty as per state legislation
- 5 YEAR Warranty on solar panels, controllers and motor

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Case Study



Project:

Encanterra

A Trilogy Country Club By Shea Homes

Building Types: Single Family Homes

Encanterra, A Trilogy Country Club by Shea Homes is a master planned community located in Southeast Phoenix that provides resort style living and amenities. Encanterra offers the signature Trilogy lifestyle in a private country club setting. Trilogy by Shea Homes, is leading the industry with the launch of Shea Certified Green™, a program that will set new green building standards and reduce the carbon footprints of homes built in its active lifestyle communities by 20% to 29% per household.

Objective

To provide proper roof ventilation to all of the Encanterra homes, while maintaining the new green building standards and incorporating products that are energy efficient and that reduce each home's carbon foot print.

Solution

There are 13 model homes at Encanterra that range from 120 to 340 square meters. Solar Star Roof Vents were installed on the roof of every home in the community, reducing heat build up and air conditioning costs. The roof spaces are efficiently vented, which will prolong the roof's life whilst saving on energy bills and making the living environment economically, environmentally and socially more sustainable.

Testimonial

"We are very pleased with the product and continue to receive positive feedback from our members on the quality of products we are putting into each home that we build at Encanterra. The Solar Star Attic Fan has been a product that has drawn a lot of interest from guests and members at Encanterra and really helps us drive home our point that we build quality into every home."

Matt Guelich,
Operations Manager / Shea Homes

Your Solatube Daylighting Experts:

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