

SOLAR VENTILATION DEVICES: COMPARED AND CONTRASTED

Solar ventilation is the environment and wallet friendly way to keep a building warm and its air fresh. *Solar Australia* takes a look at three solar ventilation devices currently available on the Australian market, from Solar Whiz, SolarVent and Sola Tube.

Solar Air Modules, from Solar Whiz

Product features

- » Solar Air Modules (SAM) from Solar Whiz are manufactured using modular design principles. Customers can choose the number of modules required for their specific needs
- » SAM can be mounted on an adjustable tilt frame, allowing users to choose the optimum installation angle
- » SAM is a stand-alone solar powered air heating system, but may also be installed as a bank of collectors to be used for ventilation and air conditioning systems in larger buildings
- » SAM reduces the amount of moisture accumulated in buildings, which consequentially helps to minimise mould and mildew
- » The SAM range also includes gable fans, which are ideal for sub-floor ventilation
- » SAM is designed and developed specifically for Australian weather conditions, and is based on knowledge gained from more than six years experience with imported solar air heat collectors and their responses to the harsh Australian climate.

Solar Star, from Sola Tube

Product features

- » Solar Star ventilators contain an impact-resistance 10 watt solar panel that provides protection from hail, wind and flying objects
- » By eliminating heat and humidity build-up, Solar Star reduces the occurrence of problems such as mould, fungal decay and insulation saturation
- » Solar Star ventilator fans are available to suit most roof types including corrugated, metal and tiled rooves, and can be installed at a home, building or other closed area in less than 30 minutes, without the need for an electrician
- » Solar Star is quiet, unobtrusive in appearance and has an optional thermostat control
- » Solar Star is fully tested and certified to withstand windstorms
- » The Solar Star motor is made to meet international manufacturing standards.



Solar Air Modules, from Solar Whiz.



Solar Star, from Sola Tube.

SolarVent roof ventilation system, from SolarVent

Product features

- » Manufactured in the United States, SolarVent is made entirely out of metal and is powder-coated to ensure that it withstands time and Australian weather conditions
- » SolarVent relies on UltraFlo™ technology, which produces fan flow movement of over 2,600 m³, which means that there are 13 air changes per hour based on a 215 m² space
- » SolarVent has a 14 inch aluminium fan blade, a 25 watt mono crystalline solar panel, and detachable properties which allow the system to be installed on a southern roof or even under a tree
- » SolarVent is covered by a lifetime warranty
- » SolarVent comes in an array of colours
- » SolarVent has been thoroughly tested and holds windstorm certifications in both Texas and Florida, areas in the United States known for their extreme weather conditions.



SolarVent roof ventilation system.

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