



— FEELING THE HEAT?

# Solar Roof Ventilation

— THE SOLARARK ADVANTAGE

## Why do you need SolarArk solar roof ventilation?

Our residential solar roof ventilators produce up to the same airflow as 27\* traditional whirly wind driven ventilators. We make industrial grade, high-performance solar powered fans capable of moving massive volumes of air. With our efficient design and powerful components, we can help you ventilate any space – with zero running costs.



### Cooler in Summer

SolarArk solar roof ventilators can reduce roof temperatures by up to 30°C and room temperatures by up to 6°C.



### Reduces Condensation

Reduces the likelihood of mould spores and condensation build up in your roof space that can effect the health and air quality inside your home.



### Improves Air Conditioning Efficiency

By reducing the temperature in your roof, this significantly improves the efficiency and performance of your ducted air conditioning, which saves you money.



### No Running Costs. Ever.

Being totally solar powered, our entire range of SolarArk solar roof ventilators have a \$0 operating cost over the entire life of the product.



### Quiet Operation

Whisper quiet operation by using a brushless DC motor and polycarbonate fan blades means you'll never hear them our SolarArk roof ventilators.



### Digital Thermostat Control

SolarArk solar roof vents feature a digital thermostat with adjustable on/off temperature settings, set prior to installation. This allows for precise ventilation control while helping to retain roof space warmth during colder months.

— COMMERCIAL APPLICATION



**1 SolarArk**  
SAV-60T Roof Ventilator



**52 Traditional**  
Whirly Wind Driven Ventilator

\* Refer to page 4, airflow calculator



## SAV-2.5GB

Perfect for gable/wall mount, small sheds, kennels, portable toilet, under floor ventilation, cabins and granny flats.

|                      |                         |
|----------------------|-------------------------|
| Running Cost         | Zero                    |
| Extraction Flow Rate | 450m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline         |
| Solar Vent Placement | N/A                     |
| Power Rating         | 2.5 Watt                |
| Vermin Proof         | No                      |
| SolarArk Range       | Compact                 |

|                   |                 |
|-------------------|-----------------|
| Colour            | Stainless Steel |
| Height            | 50mm            |
| Width             | 185mm           |
| Opening           | 120mm           |
| Approx Weight     | 3kg             |
| PV Panel Warranty | 5 Years         |
| Motor Warranty    | 3 Years         |



## SAV-20T

Just like the SAV-20 but with a tilt PV panel for those with non-north facing installations.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 2,718 m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | All Directions             |
| Power Rating         | 20 Watt                    |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Residential                |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 310mm    |
| Width             | 700mm    |
| Opening           | 500mm    |
| Approx Weight     | 13kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



## SAV-10

Perfect for roof spaces, medium sheds, kennels, medium pump houses, battery rooms, garages and small homes.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 1,112 m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | North Direction            |
| Power Rating         | 10 Watt                    |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Residential                |

|                   |                |
|-------------------|----------------|
| Colour            | White or Black |
| Height            | 167mm          |
| Width             | 416mm          |
| Opening           | 264mm          |
| Approx Weight     | 6kg            |
| PV Panel Warranty | 5 Years        |
| Motor Warranty    | 5 Years        |



## SAV-30

The BIG performer for high extraction requirements. Slim designer styling.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 3,150 m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | North Direction            |
| Power Rating         | 30 Watt                    |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Residential                |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 200mm    |
| Width             | 700mm    |
| Opening           | 360mm    |
| Approx Weight     | 14kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



## SAV-10T

Just like the SAV-10 but with a tilt PV panel for those with non-north facing installations.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 1,112 m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | All Directions             |
| Power Rating         | 10 Watt                    |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Residential                |

|                   |         |
|-------------------|---------|
| Colour            | Black   |
| Height            | 200mm   |
| Width             | 416mm   |
| Opening           | 264mm   |
| Approx Weight     | 7kg     |
| PV Panel Warranty | 5 Years |
| Motor Warranty    | 5 Years |



## SAV-40T

The entry into our commercial range that delivers a massive 3,660m<sup>3</sup> flow rate and 40W of power with a directional tilt panel.

|                      |                           |
|----------------------|---------------------------|
| Running Cost         | Zero                      |
| Extraction Flow Rate | 3,660m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline           |
| Solar Vent Placement | All Directions            |
| Power Rating         | 40 Watt                   |
| Vermin Proof         | Yes                       |
| SolarArk Range       | Commercial                |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 210mm    |
| Width             | 700mm    |
| Opening           | 350mm    |
| Approx Weight     | 17kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



## SAV-20

Great value performance for buildings with a north facing roof. Astonishing high flow rate.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 2,718 m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | North Direction            |
| Power Rating         | 20 Watt                    |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Residential                |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 250mm    |
| Width             | 700mm    |
| Opening           | 500mm    |
| Approx Weight     | 12kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



## SAV-60T

The next step into our commercial range that delivers a huge 5,250m<sup>3</sup> flow rate and 60W of power with a directional tilt panel.

|                      |                           |
|----------------------|---------------------------|
| Running Cost         | Zero                      |
| Extraction Flow Rate | 5,250m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline           |
| Solar Vent Placement | All Directions            |
| Power Rating         | 60 Watt                   |
| Vermin Proof         | Yes                       |
| SolarArk Range       | Commercial                |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 355mm    |
| Width             | 700mm    |
| Opening           | 500mm    |
| Approx Weight     | 20kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



## SAV-120-S-240

Our premier large commercial range for those that need the top of the line, no exceptions.

|                      |                            |
|----------------------|----------------------------|
| Running Cost         | Zero                       |
| Extraction Flow Rate | 11,220m <sup>3</sup> /hour |
| Solar Panel Type     | Polycrystalline            |
| Solar Vent Placement | All Directions             |
| Power Rating         | 240 Watt (2x120w)          |
| Vermin Proof         | Yes                        |
| SolarArk Range       | Large Commercial           |

|                   |          |
|-------------------|----------|
| Colour            | Black    |
| Height            | 360mm    |
| Width             | 900mm    |
| Opening           | 630mm    |
| Approx Weight     | 45kg     |
| PV Panel Warranty | 10 Years |
| Motor Warranty    | 5 Years  |



**Make your  
roof cooler  
by up to 30°C**

#### SOLARARK ROOF VENTILATION

## Need help knowing what you need for your home?

Tilt panel recommended for non-north facing roofs.  
Recommended air intake venting requirements for eaves and soffits is equivalent to the opening dimensions of the fan.  
Not recommended for installation on roofs over 28° due to risk of water ingress. For larger roof cavities, please speak with your local SolarArk reseller.

|                   |  |  |  |  |
|-------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Roof Size         | 10° Roof Pitch                                                                      | 16° Roof Pitch                                                                       | 22° Roof Pitch                                                                       | 28° Roof Pitch                                                                       |
| 100m <sup>2</sup> | SAV-10                                                                              | SAV-10                                                                               | SAV-10                                                                               | SAV-20                                                                               |
| 150m <sup>2</sup> | SAV-10                                                                              | SAV-20                                                                               | SAV-20                                                                               | SAV-20                                                                               |
| 200m <sup>2</sup> | SAV-10                                                                              | SAV-20                                                                               | SAV-30                                                                               | SAV-40                                                                               |
| 250m <sup>2</sup> | SAV-20                                                                              | SAV-30                                                                               | SAV-40                                                                               | 2 x SAV-20                                                                           |
| 300m <sup>2</sup> | SAV-20                                                                              | SAV-40                                                                               | 2 x SAV-20                                                                           | 2 x SAV-40                                                                           |

\* Air flow volumes per/hr calculated by the following method: ("DA" x "AF" x 60sec x 60min = M3/hr)

"DA" = Point of Discharge Area M2 (Gap between hood and fan base plate); "AF" = Air Flow m/s (average of three measurements using TSI 5725 anemometer at "DA")

Fan motor run at maximum wattage of supplied solar panel.

\*\* Air flow volumes can vary, including and not limited to the following: Cloud cover, seasonal solar conditions, sun intensity, latitude location, orientation of solar panel, installation methods, shading, temperature, contaminants on the solar panel.

### Australian Owned

SolarArk has been Australian owned and operated since it was established in 2009.

### Australian Designed

SolarArk employs some of Australia's leading specialists and engineers in solar energy.

### Australia's Best Performer

We make sure our products are the best on the market and always out-performing our competitors.

## Need more information? Or have a specific requirement?

We can work with you to ensure our ventilators meet your individual requirements, such as wireless temperature and humidity adjustments, battery and mains power backup, and timers. To arrange a custom quote or discuss how we can work with you to make sure our ventilators meet your individual requirements, give us a call on **1300 670 966**.

For more information about the ventilators found in this brochure, visit our website at [www.solarark.com.au](http://www.solarark.com.au)