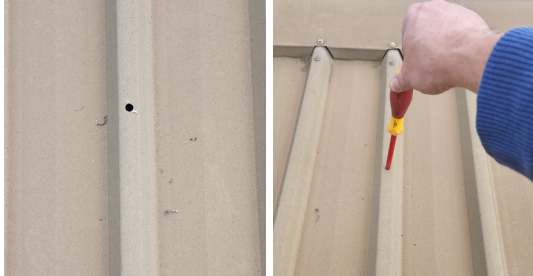


Solar Whiz Installation Instructions



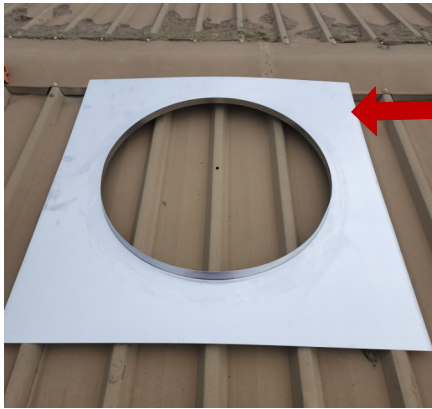
Domestic - Tin Roof

1. Remove Flashing from fan body

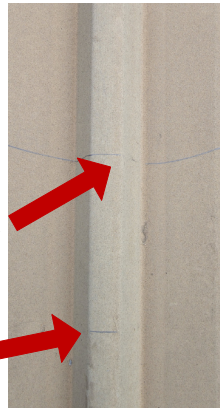


2. To check the positioning of the unit and avoid obstructions in the roof space, drill a small hole in the centre of the outlined flashing hole (pictured). Drop a screwdriver into the hole and have someone inside let you know if it is in a good position.

3. Position the flashing on the roof. Ensure that enough of the flashing goes over the ridgeline capping.



4. Trace around the inside of the flashing hole to give a guide for where to cut.

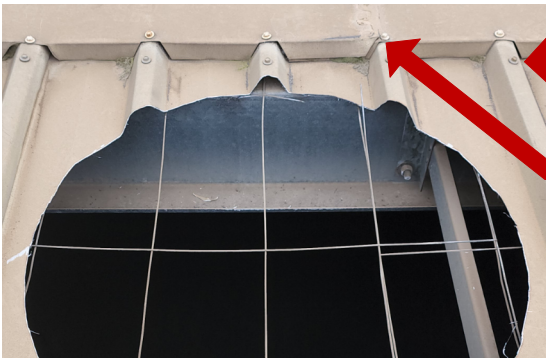


5. Mark a line along the bottom of the flashing sheet. This indicates how far down to run the silicone.

When inside roof space – you may also position the optional thermostat (if applicable).

Once the position is confirmed – use any cutting tool to cut the hole for the flashing.

6. Remove the 5 bolts on the roof. If these are not removed then the flashing will not sit flush to the roof and will leak.



7. Remove the 5 bolts on the ridge cap and fold up the flap to allow the flashing to slide up underneath the ridgeline capping.



8. Fold up the lip on the lower side of the hole. This provides an extra physical barrier to prevent leakage



9. Apply silicone and foam barrier.

Make sure the foam barrier is positioned slightly ABOVE the end of the flashing markings. There needs to be enough space to fold the flashing down over the top of the foam and secure it in place.

10. Place flashing base and hold in place by using a tech/roofing screw. Trick – Use the outside of the tin snips to secure a snug fit between the flashing and the roof.



11. Cut notches of bottom of flashing to suit corrugations on roof profile. Form the flashing to fit into the valleys. Alternatively, you may use infill strips and button head/wafer head screws.

In this installation there was a dip in the roof so an extra bolt has been added to provide an extra seal. The number of bolts used is up to your discretion. Some people may use more in wetter and windier conditions for extra security.



Solar Whiz Installation Instructions



Domestic - Tin Roof

12. Securing Accessories

If a thermostat is fitted (either fixed or adjustable), at this stage you need to consider either mounting the fixed thermostat or wiring the adjustable thermostat. Position thermostat about 500 mm elow the roof. Refer to the thermostat or thermostat & hygrostat wiring diagram. We recommend wiring this before getting onto the roof.

Night operations. If the optional constant current module for night operation has been purchased please refer to the relevant wiring/ installation diagram to set this up. We recommend wiring this before getting onto the roof

***NOTE: night ops and thermostats need to be considered and pre-wired BEFORE mounting the unit. We are more than happy to help you plan out what needs to be done. Simply call for advice: 1300 609 994**

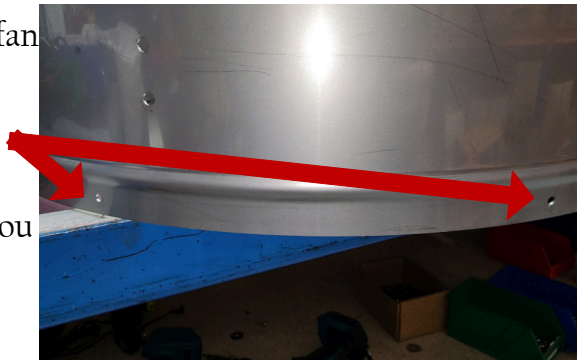
Mounting the Fan Body

13. Secure aluminium straps onto battens and fold over flashing.

14. Place the Solar Whiz unit over the flashing. Position the PV panel facing north (or your alternative choice of direction, e.g. northwest).

15. Use the predrilled holes in the fan body for guiding the self cutting screws to fix the fan body to the flashing.

There are 6 anchor points you can use to fix the fan to the flashing. You don't have to use all of them.



We have increased the number of anchor points on the throat of the unit, to give you as many options as possible. For example, high wind areas may need to (and probably should) use all 6 anchor points, but less windy installs may not.

15. Securing the PV panel

What you need:

- Size 10 spanner OR adjustable spanner
- Screwdriver

Step 1

The PV panel arms and bolts come individually wrapped with the unit. Locate and unwrap them.

Step 2

Use the short bolt for to attach the PV panel to the mount

Use the long bolt to attach the arm to the PV panel

Step 3

Secure the PV panel arms at the angle best suited to your installation. This will depend on your location, orientation and steepness of your roof.

Ideal PV Panel Angle

Hobart:	42.9°
Melbourne:	37.8°
Adelaide:	34.9°
Sydney:	33.9°
Perth:	31.9°
Brisbane:	27.5°
Darwin:	12.5°

Congratulations on completing the installation and enjoy your Solar Whiz!

Your Solar Whiz is now fully operational and will start operating – if there is sun on the PV panel (and the thermostat setting doesn't prevent it from operating).

Eave Vents

For metal roofs and/or roofs with sarking, we highly recommend a minimum of 4, 6 or 8 eave vents to ensure adequate supply of replacement air. Eave vents are available from GES or specialist ventilation suppliers.