

NOVA DOME

installation manual



solar fan

⚠ Please carefully read entire manual before installing your solar fan ⚠

step one.

Choose a spot on the exterior of your dome panel for installing the solar fan. For most installations, the ideal placement is approximately **6 inches below the edge of the round top cap panel**. To ensure optimal solar efficiency, position the solar fan at an angle between 27° and 30°. Refer to the images below for examples of typical placement on the Astro Series and Classic/Mini Series domes.

NOTE: If your solar fan was included with your dome shipment, it's easier to install it on a panel before assembling the dome.



Astro Series



Classic & Mini Series



Once you've chosen a location for your fan, use a pencil or marker to carefully trace around the base to create a circle for your cut-out.

step two.

Locate the center of your traced circle and mark it. Use a drill to create a hole at the center of your marked circle, drilling all the way through the dome panel.

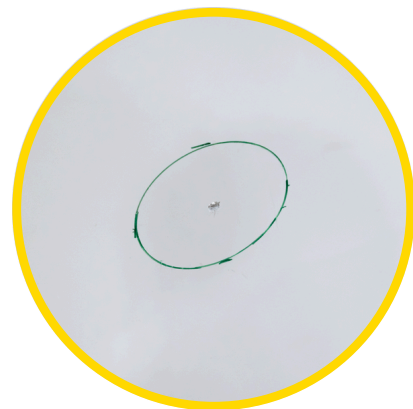
⚠️ Ensure your drill is straight when drilling through the panel. A slight angle can cause misalignment between the exterior and interior holes. ⚠️



step three.

On the interior of the panel, use the hole that you drilled in step two to create the same diameter circle you traced on the exterior of the panel.

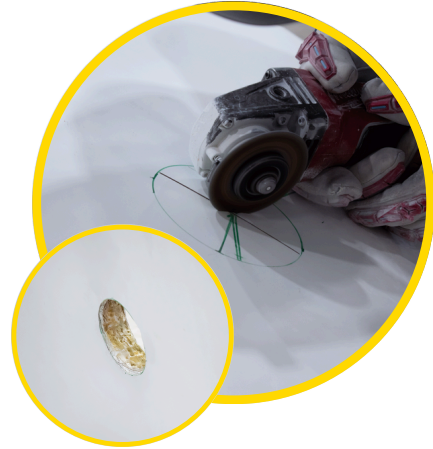
NOTE: To ensure accuracy, you can use a protractor to measure and trace a circle that matches the diameter of the exterior opening. If a protractor is unavailable, an alternative method is to insert a drill bit through the hole, tie a string to it, and use the string to trace the circle.



step four.

Using a dremel or grinding tool with a cutting disc, carefully cut out both exterior and interior holes.

⚠ Always wear appropriate personal protective equipment (PPE) when cutting the holes. Note that cutting fiberglass panels generates significant fiberglass dust. ⚠



step five.

Remove the solar panel top cap from the fan housing by unscrewing the two Phillips screws located on the sides of the unit, between the fan and the solar top cap. Putting the solar panel top cap aside, take the fan housing and put a bead of caulking around the inside of the lip that will be up against the dome. After applying the caulking, carefully push the fan housing firmly against the dome into the hole located on the outside of the panel.

NOTE: Test fit the fan in the hole before you apply the caulking to ensure no modifications need to be made to the interior or exterior of the hole. You can use the high-quality caulking provided with your dome. If the included caulking is unavailable, any all-season, weatherproof sealant or similar caulking will work as a substitute.



step six.

Locate the small bag of screws that were included with your solar fan. Using a drill with a Phillips bit, push firmly and screw the fan onto the dome. **Do not overtighten.** The solar fan has 4 hole locations for the screws.



step seven.

Now, you can go ahead and place the solar top cap back on to the fan housing using the two Phillips screws you removed in step five.

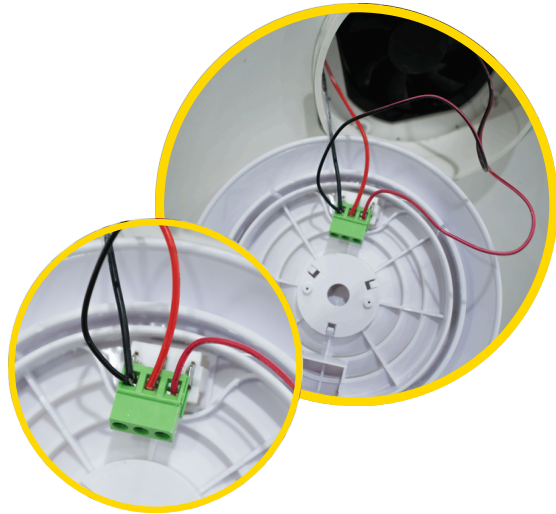
⚠ Make sure to feed the two black and red wires back through the fan housing before reinstalling the solar top cap. There is a small hole next to the fan that you can use to feed the wires back through. ⚠



Use this hole to feed the wires back through the fan housing.

step eight.

Next, go to the interior side of the dome panel to connect the four wires to the vent cap. Using a small flat-blade screwdriver, loosen the terminal slot screws. With the green terminal positioned at the top of the vent cap and the screws facing down (as shown in the diagram), connect the two **black** wires to the far-left slot and tighten the screw to secure them. Repeat this process for the **orange** wire in the middle slot and the **red** wire in the far-right slot.



final step.

For the final step, firmly press the vent cap onto the fan housing. No screws or caulking are needed, as the vent cap is secured solely by pressure. If the vent cap does not sit flush with the dome panel or a small gap remains, remove the vent cap and carefully trim the edge of the plastic pipe until the vent cap fits snugly against the dome.



⚠ Make sure all wires are tucked neatly in the fan housing where they will not interfere with the fan blades. ⚠

NOVA DOME

enjoy your solar fan!



<https://g.page/r/CSgDSOQgKfyqEAE/review>

If you're happy with your NovaDome experience, please leave us a Google review—it means a lot and helps others discover us! As a thank-you for taking the time to leave a positive review, we'll send you a **\$100 Amazon gift card**. If we haven't earned 5 stars, contact us below, and we'll make it right. Your satisfaction is our priority!



If you have any questions about the assembly of your NovaDome product, please contact us using the phone number or email below.

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