

INSTALLATION GUIDE

GableBreeze™ Gable-Mount Solar Attic Fans

Retrofit fan for behind a gable vent · remote solar panel



MODEL	PART NO.
PRO 25W	AB-2553G
HP 35W	AB-3553G
MAX 45W	AB-4553G
ELITE 65W	AB-6553G

In the box

-  Self-tapping screws with rubber washers
-  Roofing sealant (weatherproof)
-  Solar panel with standard brackets
-  25 ft. power cable
-  Power cable flashing

You will need

-  Cordless drill with nut driver
-  2x4 lumber and wood screws
-  Reciprocating saw
-  Tape measure
-  7/16 in. socket and wrench
-  Lag screws or bolts for the panel
-  Ladder and fall protection

Work safe

-  No roof work when it is wet or windy.
-  Wear safety glasses and gloves with power tools.

-  Use fall protection. Tie off yourself and your tools on steep roofs.
-  Wear slip-resistant shoes.



READ EVERY STEP BEFORE YOU START. Have all tools and materials on hand before you start.



FLORIDA APPROVALS: No Florida Product Approval or Miami-Dade NOA is required. The fan mounts inside the gable wall and is not part of the roof.

01 Before You Start

The fan mounts inside the attic, behind an existing gable vent or other wall vent. The fan itself needs no roof cut. Keep it at least **10 ft.** from any other active vent (electric or solar), such as another attic fan.



CODE COMES FIRST. Local building codes take priority over this guide. Follow local code and the roofing manufacturer's rules. A bad install can void the warranty.



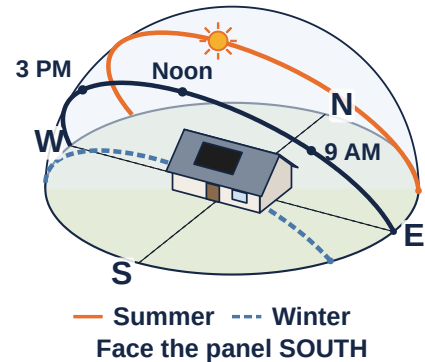
WARNING: Keep the solar panel covered until the install is done. In sunlight the fan can start at any time and cause injury or damage.

02 Pick the Panel Spot

Put the solar panel where it gets the most sun all day — best on the **south** side, with no shade. No good south spot? Use the Universal Bracket (sold separately) to aim the panel south.



RIDGE VENT? If the attic also has a ridge vent, you may need to block off the part of it closest to the fan so the fan pulls air from the intake vents, not the ridge.



03 Check the Intake Air

The fan pulls hot air out. The same air must come in low, through soffit or other **intake vents**. The attic needs at least this much intake (net free area):

MODEL	ATTIC UP TO	INTAKE NEEDED (MIN.)
PRO 25W	2,000 sq. ft.	6.0 sq. ft. (864 sq. in.)
HP 35W	2,500 sq. ft.	7.0 sq. ft. (1,008 sq. in.)
MAX 45W	3,000 sq. ft.	7.5 sq. ft. (1,080 sq. in.)
ELITE 65W	4,000 sq. ft.	8.5 sq. ft. (1,224 sq. in.)

Too little intake reduces airflow. For sizing help, see atticbreeze.com/ventilation-calculator.



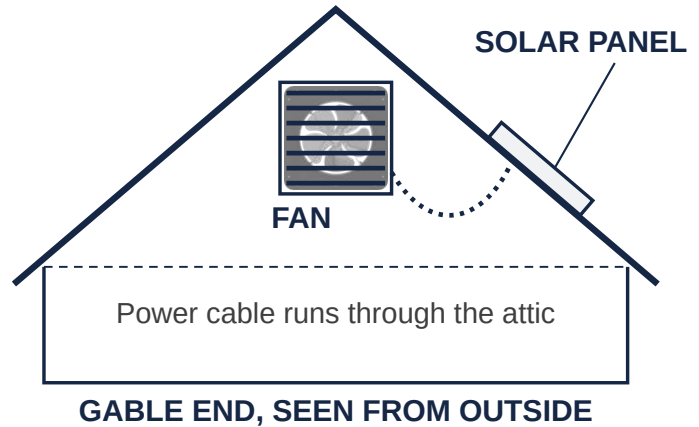
Passive vent area, fan off: 165 sq. in. (1.15 sq. ft.) per fan (calculated). This is the open vent area the fan gives even when it is not running. Fan only. Louvers, screens, dampers, and the gable opening can lower it — check the whole vent.

04 Install the Fan

1

Mount the solar panel and run the cable

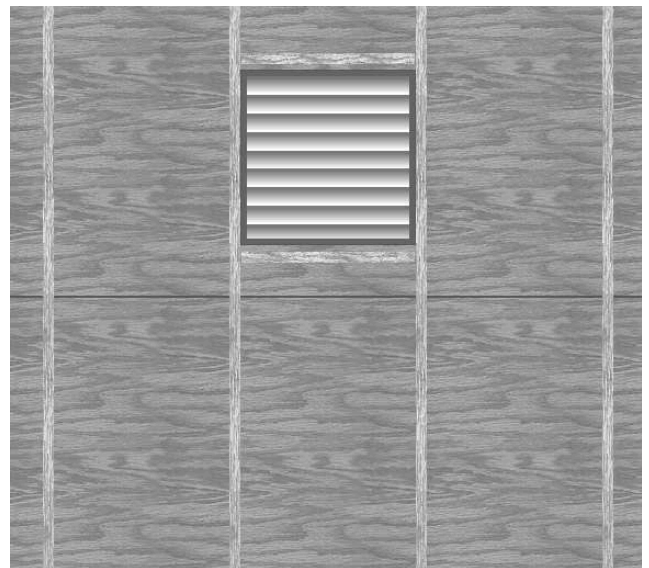
1. Check that the 25 ft. cable reaches the panel spot. A 25 ft. extension cable is available separately.
2. Run the cable through the attic from the fan spot to the panel spot. Fasten it so it cannot move.
3. Bring it out through an existing vent, through the gable wall and along the eave, or straight through the roof. **Seal every hole.**
4. Through the roof? Cut a small hole in the tip of the **power cable flashing**, pass the cable through, then fasten and seal the flashing over the hole.
5. Install the panel brackets (see the Standard Bracket guide). Plug the cable into the back of the panel.



2

Build the mounting box

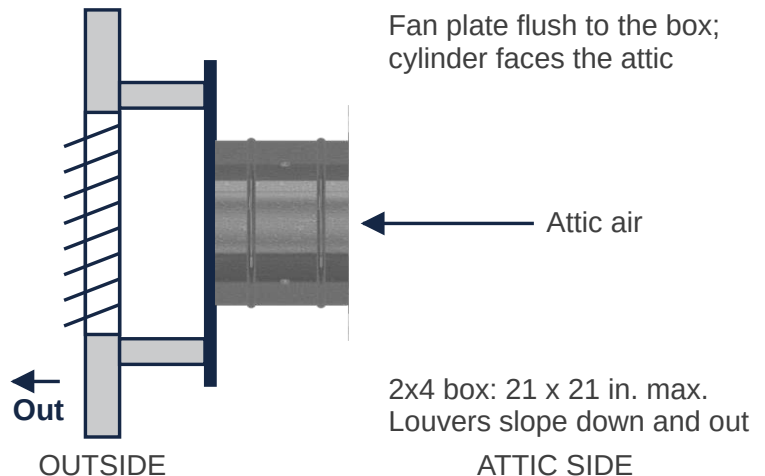
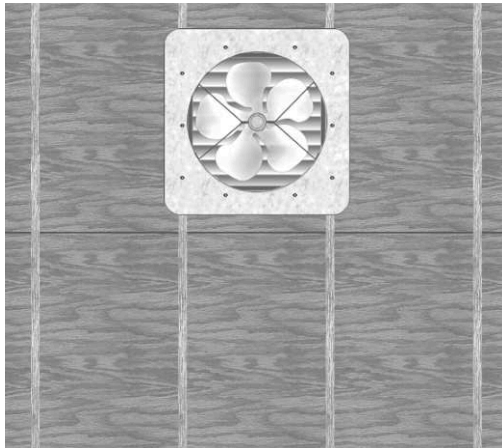
1. Inside the attic, measure between the studs on each side of the vent.
2. Cut 2x4s and build a box around the vent. Fasten with wood screws. The box makes a channel so the fan blows straight out the vent.
3. The box opening must be **no bigger than 21 x 21 in.** If the vent is bigger, block off the extra vent area so air cannot blow back in.



3

Mount the fan

1. Take off all packing and tape.
2. Set the fan plate flat against the box with the **cylinder facing into the attic**.
3. Fasten the fan to the box with the self-tapping screws.



4

Connect the power

Plug the solar panel cable into the fan's black power cable. Using a BreezeMate™ control? Follow its instructions now.

05 Finish Up

Take the cardboard cover off the solar panel. The fan runs on its own: **on** at about **75°F** in the attic, **off** below about **55°F**. No adjustment is needed.



Register the warranty within 90 days

Lifetime Limited Parts Warranty. Register at atticbreeze.com/warranty-registration or scan the code.

Before you leave the job

- | | |
|---|---|
| ☐ Panel cover removed | ☐ Intake vents open — not blocked by insulation |
| ☐ Fan screwed tight to the box | ☐ Warranty registered, or this guide left with the owner |
| ☐ Every roof or wall hole sealed | |