Attic Breeze
America's Leader in Solar Powered Ventilation

ENGLISH

INSTALLATION GUIDE

Universal Solar Panel Bracket

Adjustable mount for a detached (remote) solar panel — roof, wall, or pole; tilts up to 90°

In the box

- (1) Universal bracket arm
- (1) Universal bracket base
- (2) 1/4 in. stainless hardware sets
- (4) 5/16 in. stainless hardware sets

You will need

- Cordless drill with nut driver
- 7/16 in. and 1/2 in. sockets and wrenches
- Lag screws, bolts, or U-bolts (not included)
- Roofing sealant

01 Before You Start

Choose a spot with full sun all day — best on the **south** side, with no shade. This bracket can go on a flat roof, a sloped roof, a wall, or a pole, and aims the panel in any direction.

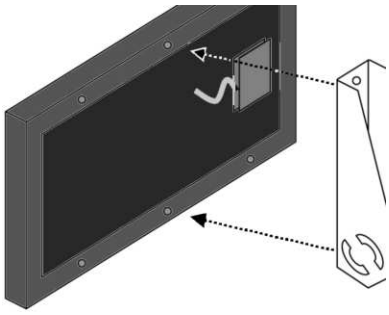
- No roof work when it is wet or windy.
- Use fall protection. Tie off yourself and your tools on steep roofs.
- Wear safety glasses and gloves with power tools.
- Wear slip-resistant shoes.

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.

02 Put the Bracket on the Panel

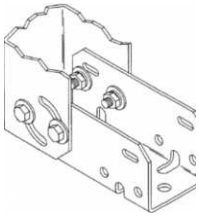
1 Attach the arm to the panel

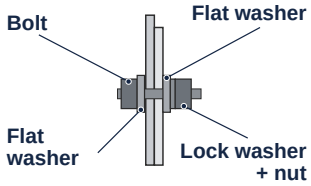
1. Lay the panel face down on a flat, clean surface. Protect the frame from scratches.
2. Using the panel's **center** holes: 1/4 in. bolt + flat washer through the **top hole** of the arm, then lock washer and nut. Do the same at the **bottom slot**.
3. Tighten with the 7/16 in. socket and wrench.



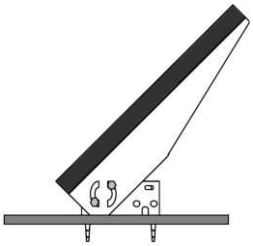
2 Join the base to the arm

1. Slide the base into the channel of the arm. Line up the curved slots with the holes in the base.
2. At each curved slot: 5/16 in. bolt + flat washer, then flat washer, lock washer, and nut. Hand-tight for now.

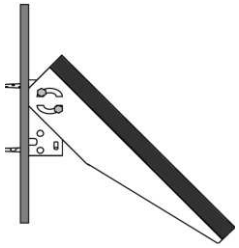




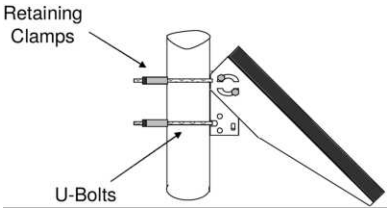
03 Mount the Bracket



Roof (flat or sloped)



Wall



Pole, 1 to 4 in.

3 Fasten the base

- **Roof or wall:** lag screws or bolts that fit the surface and local code. **Seal every screw and bolt.**
- **Pole:** U-bolt clamps. Fits poles 1 to 4 in. across.

4 Aim, tighten, and plug in

1. Tilt the panel to the angle you want. Tighten all 5/16 in. bolts with the 1/2 in. socket and wrench.
2. Plug the panel into the fan's power cable. If the cable is too short, a 25 ft. extension cable is available separately.
3. Cable runs through the deck or a wall? Fasten it so it cannot move, and seal the hole.

04 Best Angle and Direction

Face the panel **south**. Best summer tilt = your **latitude minus about 15°** (most of the U.S. is 25° to 48° latitude).

HIGH WINDS: A tilted panel catches more wind. Use fasteners rated for your wind zone, and follow local code.

