Attic Breeze
America's Leader in Solar Powered Ventilation

ENGLISH

INSTALLATION GUIDE

Standard Solar Panel Bracket

For fans with a detached (remote) solar panel, on a south-facing pitched roof

In the box

- (4) Standard brackets
- (4) 1/4 in. stainless hex bolts
- (4) flat washers, (4) lock washers, (4) hex nuts — 1/4 in. stainless

You will need

- Cordless drill with nut driver
- 7/16 in. socket and wrench
- Lag screws or bolts to fit your roof (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 holds the panel flat on the roof, so the roof itself sets the angle. If the roof does not face south or is far off the best angle, use the Universal Bracket instead.

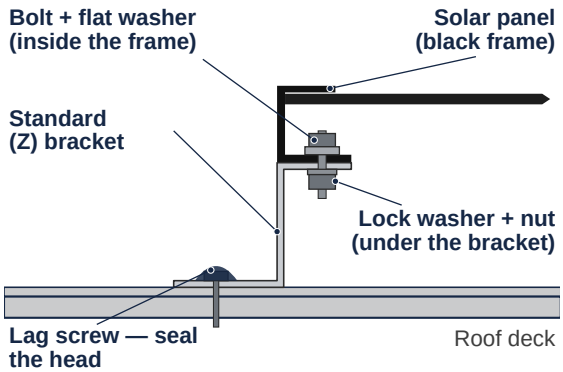
- No roof work when it is wet or windy.
- Use fall protection. Tie off yourself and your tools on steep roofs.
- Wear safety glasses and gloves with power tools.
- Wear slip-resistant shoes.

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 Brackets on the Panel

1 Bolt on the four brackets

1. Lay the panel face down on a flat, clean surface. Protect the frame from scratches.
2. At each **outside corner** hole, set a Z bracket with its foot pointing **out**, away from the panel. From inside the frame, put the bolt + flat washer through the frame and the bracket's top tab. Add the lock washer and nut on the bracket side. Hand-tight.
3. Line up the brackets, then tighten all bolts with the 7/16 in. socket and wrench.



Hardware order, shown as installed

03 Mount the Panel

2 Place, plug in, and fasten

1. Set the panel and brackets on the roof spot.
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 comes up through the deck under the panel? Fasten it so it cannot move, and seal the hole.
4. Fasten each bracket to the roof with lag screws or bolts that fit your roof and local code. **Seal every screw and bolt.**



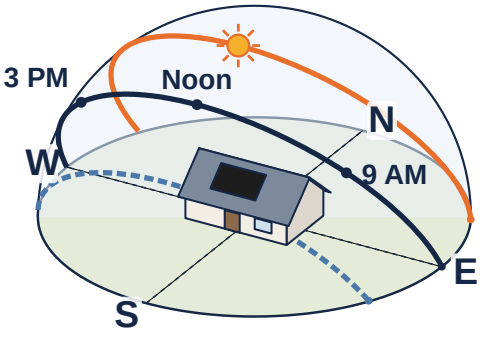
Panel with the four brackets attached

04 Best Angle and Direction

Face the panel **south** for the most sun all day.

Best summer tilt = your **latitude minus about 15°** (most of the U.S. is 25° to 48° latitude). A roof close to that angle works great.

Roof faces far from south, or its slope is more than 30° off the best tilt? Use the **Universal Bracket**.



HIGH WINDS: Use fasteners rated for your roof and wind zone. Follow local code.