**INSTALLATION INSTRUCTIONS**

# Quick Mount PV™

**(510) 652-6686**
**www.quickmountpv.com**

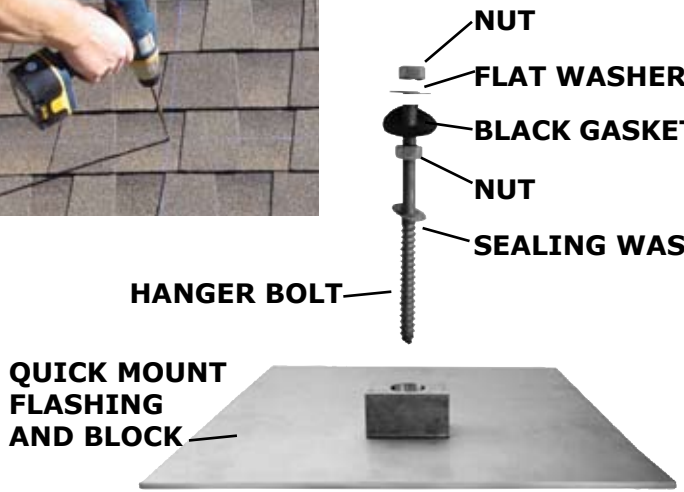
**TOOLS NEEDED**
Measuring tape, roofer's flat bar, chalk line, stud finder, caulking gun with roofing sealant, drill with ¼" long bit, drill with ½" deep socket.

**1. LOCATE RAFTER**
Using horizontal and vertical chalk lines to align hole for placement of each Quick Mount

**2. DRILL PILOT HOLE**
Using drill with ¼" long bit, drill pilot hole through roof and rafter, taking care to drill square to the roof.

**3. LIFT TILE**
Lift composition roof tile with roofers flat bar, just above placement of Quick Mount.

**4. SEAL HOLE** Using caulking gun with roofing sealant, squeeze a dab of roofing sealant into hole.



**5. SLIDE QUICK MOUNT INTO PLACE**
Lift comp tile and slide Quick Mount into place.

**6. SET HANGER BOLT, SEALING WASHER & NUT**
Using drill with ½" deep deep socket, set sealing washer with rubber side down, then nut, and tighten into place.

**7. ADD RUBBER GASKET**
Push black gasket into place flush with top of Quick Mount block.

**8. SECURE RACK INTO PLACE, WITH FLAT WASHER & NUT**
Using drill with ½" deep socket, set up rack over bolt, with flat washer, then nut, and tighten into place.

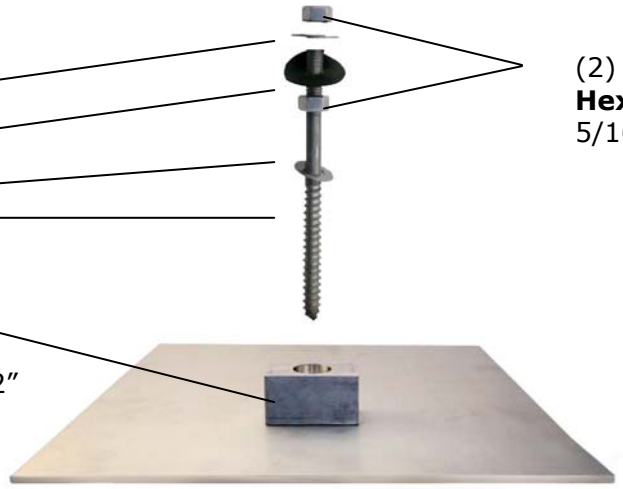
PATENT PENDING

# Quick Mount PV™

## SPECIFICATION SHEET

**Quick Mount PV ™ is an all-in-one waterproof flashing and mount to anchor photovoltaic racking systems, solar thermal panels, air conditioning units, satellite dishes, or anything you may need to secure to a new or existing roof. It is made in the USA of all aluminum and includes stainless steel hardware. It works with all standard racks, installs seamlessly and saves labor by not needing to cut away any roofing, will out live galvanized 2 to 1, and is a better low-profile mount.**

**Flat Washer (B)** 1″ x 5/16″
**Rubber Gasket** 60 Durometer EPDM
**Sealing Washer (A)** 3/4″ x 5/16″
**Hanger Bolt** 5/16″ x 6″
1-1/2″ Machine, 1-1/2″ Spacer, 3″ Lag
**Mount & Flashing** Aluminum
Mount 2-1/4″l x 1-1/4″w x 1-1/4″h
Flashing .05″ thick.
For standard composition roofs: flashing is 12″ x 12″, mount is attached 3″ off center. For shake roofs: flashing is 18″ x 18″, mount is attached 6″ off center.



(2)
**Hex Nuts**
5/16″

Patent Pending

Lag pull-out (withdrawal) capacities (lbs) in typical lumber:

| | | Lag screw specifications | |
|---|---|---|---|
| | Specific gravity | 5/16″ shaft* 3″ thread depth | 5/16″ shaft* per 1″ thread depth |
| Douglas Fir, Larch | .50 | 798 | 266 |
| Douglas Fir, South | .46 | 705 | 235 |
| Engelmann Spruce, Lodgepole Pine (MSR 1650 f & higher) | .46 | 705 | 235 |
| Hem, Fir | .43 | 636 | 212 |
| Hem, Fir. (North) | .46 | 705 | 235 |
| Southern Pine | .55 | 921 | 307 |
| Spruce, Pine, Fir | .42 | 615 | 205 |
| Spruce, Pine, Fir (E of 2 million psi and higher grades of MSR and MEL) | .50 | 798 | 266 |

Sources: Uniform Building Code; American Wood Council
Notes: 1) Thread must be embedded in a rafter or other structural roof member.
2) Pull-out values incorporate a 1.6 safety factor recommended by the American Wood Council.
3) See UBC for required edge distances.
*Use flat washers with lag srews.

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1483 67th St ~ Emeryville, CA 94608
Toll Free: (800) 998-6059 Phone: (510) 652-6686 Fax: (510) 652-7261
Email: info@quickmountpv.com www.quickmountpv.com