



REQUIRED COMPONENTS:

AceClamp® A2®
(fully assembled and ready to install)



AceClamp® A2® Solar-Kit
(fully assembled and ready to install)



AceClamp® A2® End Support
(sized for your specific PV panel thickness)



REQUIRED TOOLS:



Industrial grade screwgun



9/16" hex socket & adaptor for screwgun



chalk line or laser



Dial indicator torque wrench



3/16" hex drive bit

Let's begin the installation

Ensure correct clamp to panel "fit up" along with proper orientation.



STEP #1

Follow the instructions that apply to the AceClamp selected.



STEP #2

Snap a line or use a laser to line up the brackets on the roof panel seams.



STEP #3

Using a 9/16" hex socket and adaptor for your screw gun attach the first row of AceClamps and tighten to the torque values that are appropriate for your panel material and thickness.



STEP #4

(instructions continued on back)

ACE CLAMP®

a product of
PMC Industries Inc.

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(instructions continued)

PV KIT INSTALLATION INSTRUCTIONS

Insert the Solar-Kit mounting post into the 3/8" diameter attachment hole in the AceClamp. Using the 3/16" hex drive bit, tighten the mounting post to 100 in-lbs torque and complete the first row.



Measure and snap lines for the locations of the next several rows of AceClamp and attach them in position.



Set the first row of PV panels in place (do not tighten the top flange of the solar kit.)



Install the Solar-Kits into the next row of AceClamp® A2® and tighten the mounting posts to 100 in-lbs.



Go back to the first row of Solar-Kits and insert the End Support* and tighten to 100 in. lbs. Torque.



Continue to install the AceClamp, Solar-Kits and PV panels in the same sequence for the remainder of the PV array.



Installation Tips & Precautions

End Supports are available to match the correct PV frame thickness and are installed at the edge rows to allow the Solar-Kit to be tightened correctly and maintain a neat, finished appearance to your system.

Use the correct length Solar-Kit mounting posts and End Supports to fit the PV panel thickness. (2 1/2" for panels 34mm or less - 3" for panels 47mm or less - 3-1/4" for panels 53mm or less and 3-1/2" for panels less than 59mm.)

When you order the Solar-Kits, tell us the panel thickness and we will ship End Supports made to fit.

Tighten 9/16" hex head screws to the recommended torque levels. AceClamp and the Solar-Kits have been specifically designed and tested for resistance to vibration. Loosening should not occur due to wind vibrations or minor seismic tremors if the correct torque levels have been met.

DO NOT use the AceClamp as any part of your fall protection apparatus.

AceClamp Solar-Kit has been designed to "bond" PV panels together and eliminate the need for a separate ground wire, if installed correctly. However, follow the requirements of your local building code official in all aspects of the installation.

The installer/end-user is responsible for assuring that all engineering studies and data is complete for the installation and that all structural and electrical codes requirements have been met.



The management at PMC Industries, Inc. is committed to providing you, our customer the fastest, easiest and safest attachment devices for your solar energy system. We welcome suggestions that will make your job easier.

