PVKIT® HUR 2.0

Providing *The Right Way™* to attach virtually anything to metal roofs worldwide.

S-5!®
The Right Way

ATTENTION! This document is a guide only. This product may not be suitable for every application. The user is responsible for all necessary application engineering and design. We have online tools to help with this. Please scan the QR code to the right for additional information, warnings and disclaimers regarding product use.

You can also view load test results at www.S-5.com where applicable, or contact your S-5!® distributor for more information.

PV Disk   StandOff

Base Plate

30 mm
M8 bolt

PVKIT HUR 2.0
EdgeGrab

PVKIT HUR 2.0
MidGrab
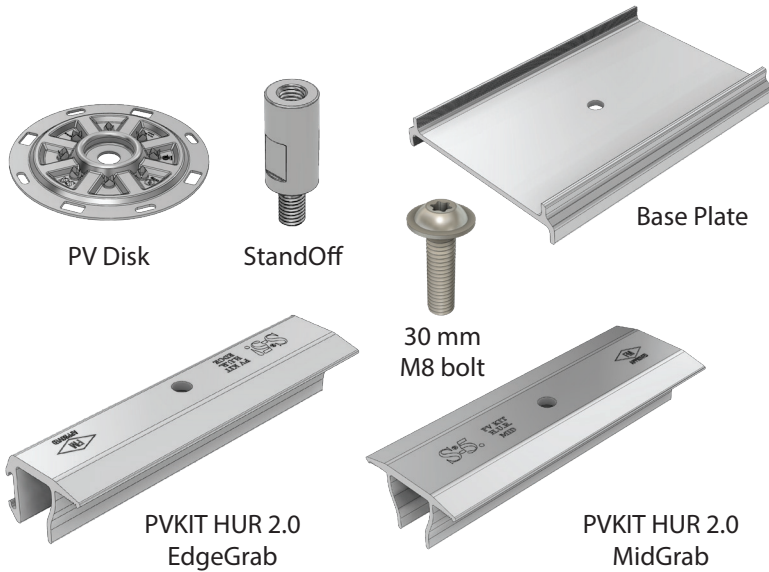
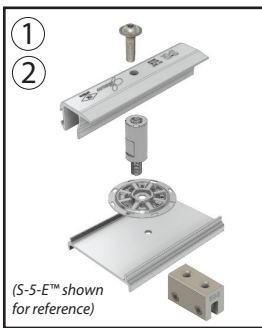## What's Included in Your Box

PV Disk

Base Plate

StandOff

30 mm M8 low-profile bolt (T30 drive)

PVKIT HUR 2.0 MidGrab

PVKIT HUR 2.0 EdgeGrab

## What You'll Need for Installation

Screw gun

T30 Torx bit tip (provided)

Dial indicating torque wrench

*For accurate tension values, do NOT use a clicking torque wrench.*

How to install PVKIT HUR 2.0 with a standing seam clamp:

① ②

(S-5-E™ shown for reference)

③

① Assemble the PVKIT HUR prior to installing on the roof. Place the baseplate then the PV disk atop the clamp and thread the male portion of the standoff through the disk and baseplate into the clamp. Assemble the baseplate so the lip facing upward is the lip located closest to the module flange. *First try the side with the smaller lip spacing. If there is interference with the flange, then flip to the larger spacing (Figure 1a).*

1a
(smaller lip spacing)
(larger lip spacing)
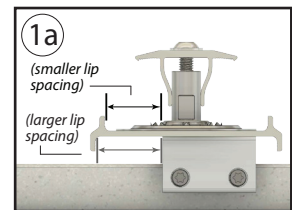
② Drive the EdgeGrab/standoff assembly down with the provided bit tip until the base of the standoff seats the disk and baseplate in place. Leave the grab up in a partially open position.
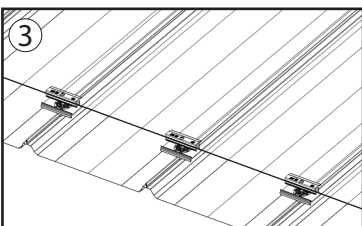
③ Install the first row of S-5! clamps with PVKIT HUR at the edge of the array. Use a string line between the two clamps at either end of the row to provide a true line to mount the remaining edge clamps. Tighten the setscrews to the specified torque with a screw gun and the included bit tip. *Please see the installation instructions provided with clamps for specific details.*

Note: Any S-5! warranty and/or calculation may be void if hardware is used that was not furnished by S-5! directly or through one of their licensed distributors or any assembly that has not been tested by S-5! These instructions are for use by those experienced in the trade. Always follow appropriate safety precautions and use appropriate tools.
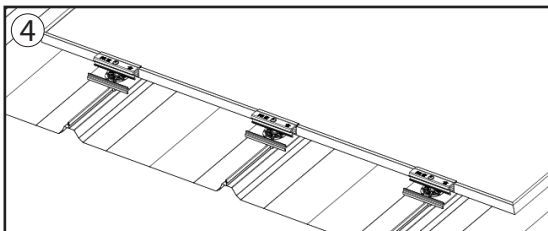
4 Install the first row of modules. Place the first modules in the first row of PVKIT HURs and seat the module frames up against the grabs. Next, push the grabs all the way down to the top of the frames, but do not tighten at this time.


pull up on upslope grabs
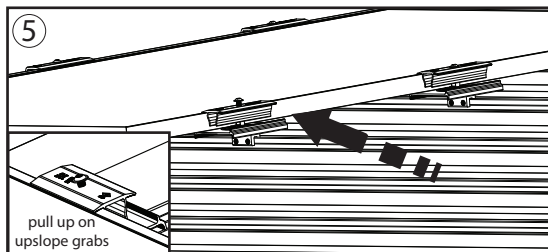
5 Using the PV module as a guide, place the throat of the next row of clamps over the seams and slide the assembly into place so the edge of the module is seated against the wall of the fully seated MidGrab. Tighten the setscrews of the clamp to secure its position while applying downslope pressure to the module.

Once the module is in place and aligned correctly, tighten the grabs on the downslope side (at the edge grabs) to 120-130 inch-pounds (13.6-14.7 N-m) using the provided Torx bit. Do not tighten the upslope grabs, but pull them up to a partially opened position to receive the next upslope module.
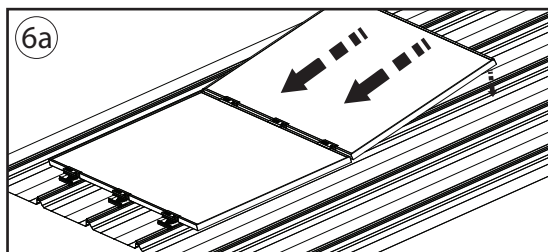
6 Place the next module in the MidGrabs. Push the grabs all the way down to the top of the frames. Repeat step 5 to secure the module's upslope side. Continue repeating this step until all modules are in place. The final row at the top of the column will be finished with EdgeGrab/standoff assemblies.
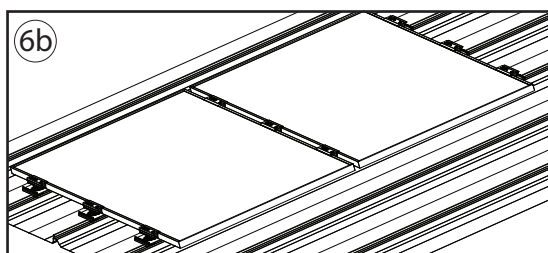
| **TIPS FOR MOUNTING**	**CorruBracket, S-5-H90/H90 Mini and S-5-K Grip/K Grip Mini**	**Alternative Mounting Procedure:**
	When mounting with any S-5! CorruBracket, S-5-H90, S-5-K Grip style clamps, steps 3-5 will vary slightly.	*As you build out a "solar column", snug the grabs enough to prevent blow-off during construction, but do not fully tighten module grabs.*
	Once the upslope PVKIT HURs are in place, the PVKIT HUR components need to be taken off the clamp or bracket before they can be attached to the roof. Then, reassemble the PVKIT HUR with the module in place and proceed to the next step.	*This enables slight adjustments laterally when the column is complete to nudge modules into perfect alignment. After final alignment, all module grabs should be tightened to the specified torque.*
	Installation best practice: Build the solar array column by column.	

How to install PVKIT HUR 2.0 with an exposed-fastener bracket:
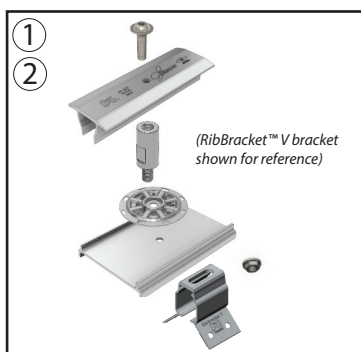
(RibBracket™ V bracket shown for reference)

1 Assemble the PVKIT HUR prior to installing on the roof. Place the baseplate then the PV disk atop the brackets and thread the male portion of the standoff through the disk and baseplate and into the M8 nut inserted in the bracket (nut provided with brackets). Assemble the baseplate so the lip facing upward is the lip located closest to the module flange. *First try the side with the smaller lip spacing. If there is interference with the flange, then flip to the larger spacing (Figure 1a).*

2 Drive the EdgeGrab/standoff assembly down with the provided bit tip until the base of the standoff seats the disk in place. Leave the grab up in a partially open position and be sure the standoff is in the approximate center of the bracket's slotted hole to allow final adjustments.

3 Install the first row of S-5! brackets with the PVKIT HUR at the edge of the array. Secure the bracket directly into the ribs of the roof profile by driving the included fasteners into the sides of the rib through the bracket's holes. *See S-5! bracket installation instructions for specific install information.*

4 Install the first row of modules. Place the first module in the first row of PVKIT HURs and seat the frame up against the grabs. Next, push the grabs all the way down to the top of the frame.

5 Using the PV module as a guide, place the bracket on the rib of the roof profile and slide the assembly into place. Secure the bracket directly into the rib of the roof. Once the frame is in place, tighten the grabs on the downslope side to 120-130 inch-pounds (13.6-14.7 N-m) using the provided Torx bit. Next, pull up on the upslope grabs to put them into a partially opened position to receive the next upslope module.

6 Place the next module in the MidGrabs. Push the grabs all the way down to the top of the frames. Repeat step 5 to secure the module's upslope side. Continue repeating this step until all modules are in place. The final row at the top of the column will be finished with EdgeGrab/standoff assemblies.

Wire Management, Bonding and Grounding

UL-listed PV wire clips should be used to attach excess wire to the underside of the module frames. Clip the wires to each frame before installing the module so the leads are positioned correctly. Clips should be placed frequently to avoid the wire sagging and touching the roof. The home run and any other exposed wire should be encased and routed through the conduit. The conduit should be intermittently attached to the roof with S-5! clamps or brackets. Module frames within each column are bonded and have an established ground path through the PV Disk. Adjacent columns of modules should be bonded together with a jumper; a UL-listed grounding lug should be attached to a module frame at the edge of the array to attach a ground wire for the array.