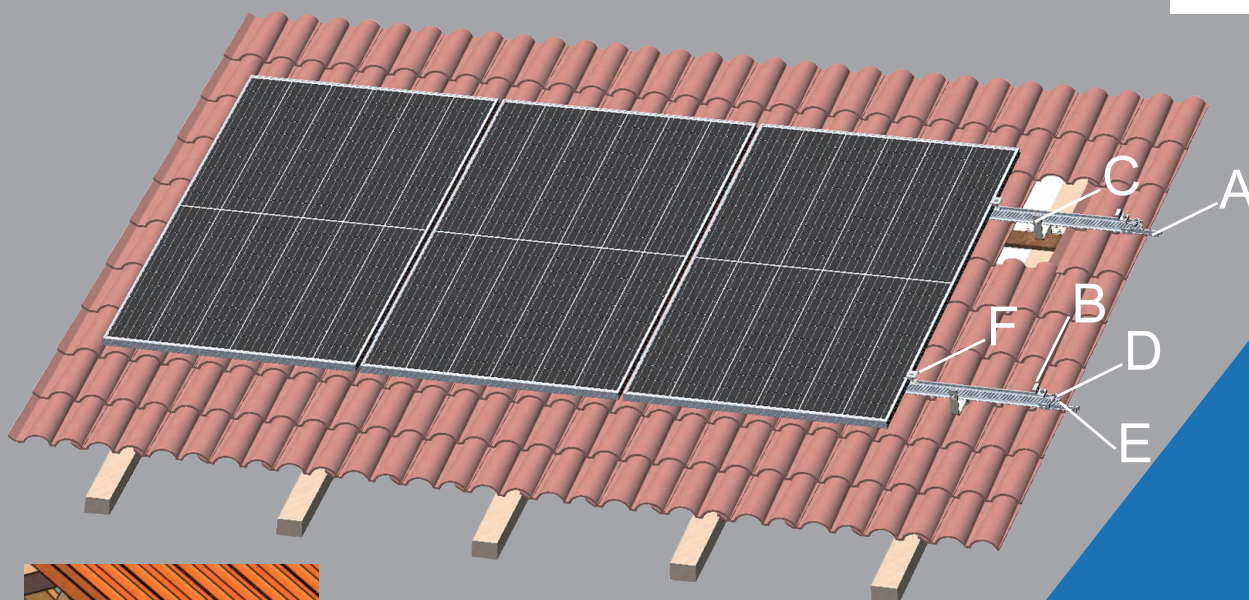




Tile Roof Solar Mounting System

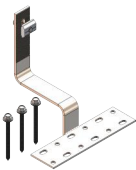
Installations the roof fastening is done using highly-resistant stainless steel roof hooks, which is suitable for nearly all coverings, such as pantile, plain tiles, slate tiles.

Systems are fully compliant with the Australian and other international standards on wind & snow load, making it suitable for a wide variety of climatic conditions.

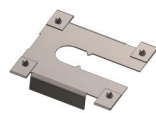
Tile 1.5KW 30mm/35mm clamp List Of Accessories

	
Number	Qty
A	Splicer*2

	
Number	Qty
B	End-clamp*4

	
Number	Qty
C	Tile Roof Hook*12

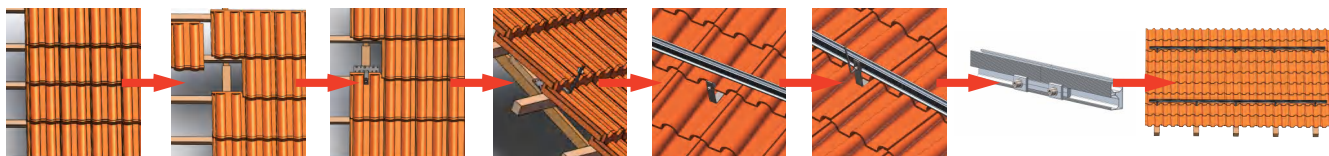
	
Number	Qty
D	Earthing Lug*2

	
Number	Qty
E	Earthing Clip*6

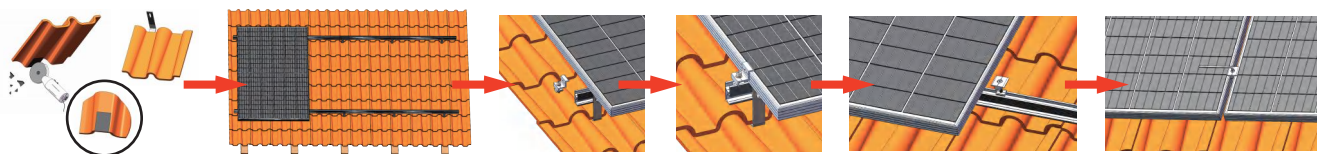
	
Number	Qty
F	Mid-clamp*10

Installation Instruction

Installation of Tile Hook on Tile Roof

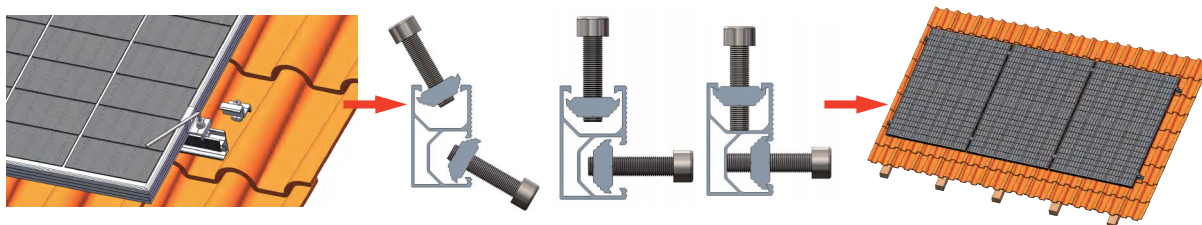


1. Remove the roof tiles at the marked positions or simply lift them up slightly then fix the roof hook to the wooden beam. Fix the roof hooks with 3x self-tapping screws. Minimum 2 pcs.
2. Cover the hooks by the removed tile.
3. Connect the roof hook with the rail.
 - a. Insert the tilt-in module into the side channel of the rail as shown in step 4.
 - b. Adjust the rail to be level.
 - c. Fasten the bolt.
4. If you need, to connect multiple rails together, slide the splices on the rear side of the pre-assembled rails halfway to the side. Fasten the first M8 bolt firmly using the Allen key. Now slide the next rail segment into the splice. Tighten the second M8 bolt. The connection is finished.



Note: If necessary, use an angle grinder or hammer to cut a concavity in the tile that covers the roof hook at the point where the roof hook comes through. (Caution! Must not use fixed roof hook as a ladder, as this extreme point load could damage the tile below.)

5. Place the solar module on the rails, slide the end clamp tightly against the solar module and fasten tightly using the Allen bolt (recommended torque is 8 Nm).
6. Slide the pre-assembled inter-module clamp into the rails from above, place it firmly against the module and tighten it. (approx. 2-3 turns).
7. Now slide the next module against the previously installed module and tighten the inter-module clamp using the Allen key, Please insure that the anti-slips protection sits in the rail channel of the lowest row of rails.



8. Place the last module in the row on the rails (with the first row of modules, insure that the anti-slip protection sits properly in the rail channel) and fasten the last inter module clamp and the module end clamp using the Allen Key (recommended torque is 8 Nm).
9. For each use of the T module. You must make sure that: the thread of the screws does not project through the lower side of the T module (max flush). Position the T module in the rail channel and fasten it gently with 2 to 3 turns of the screw. The screws can still be freely moved in the rail channel. Slide the screw to their final position in connection with the inter-module clamp, module end clamp or roof hooks/hanger bolts and tighten it firmly.
10. Now that the first, first row of modules are installed, continue to mounting next row of modules according to steps 2 to 6.

Uranus Rail Grounding System

