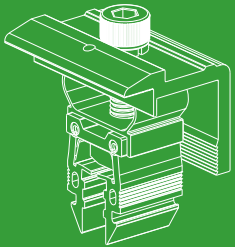
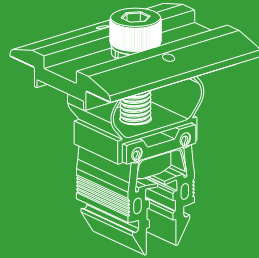
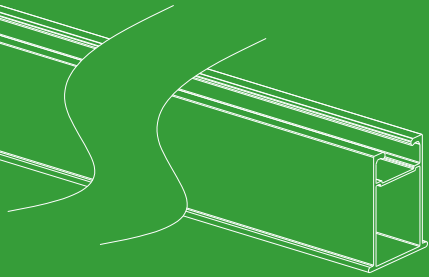
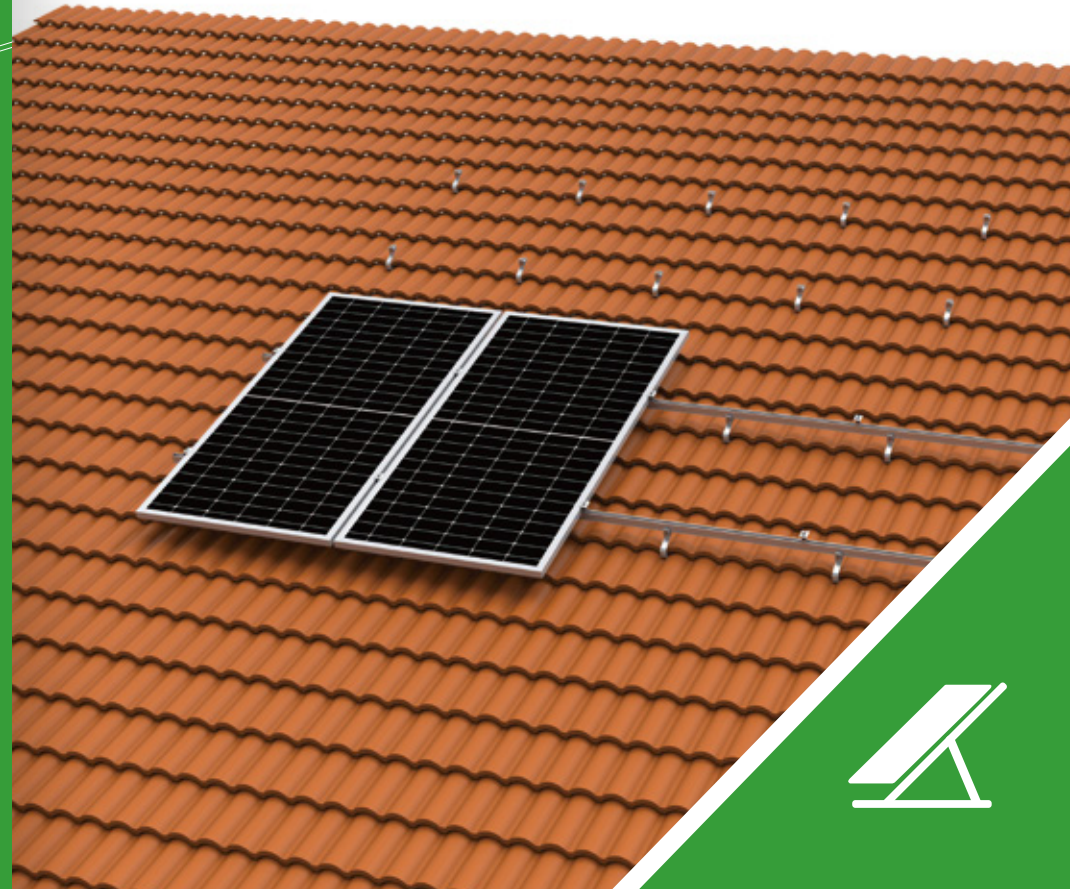


ASSEMBLY INSTRUCTIONS

LV-T084 (For 2 panels)



Empowering Global Solar Futures with
Precision Engineering.



CONTENTS

01. Summarize	01
1.1 Installation personnel	01
1.2 Security equipment	01
1.3 Construction site	01
02. Tools Overview	02
03. Detail display	03
04. Component introduction	04
05. Installation Step	05
5.1 Plan the installation point table	05
5.2 Install roof hooks	06
5.3 Restoring the roof	07
5.4 Adjusting the aluminum clamps	08
5.5 Install mounting rails	09
5.6 Install the solar panel	11
06. Error demonstration	13

01 Summarize

These installation instructions describe the procedure for installing the product. Read these assembly instructions carefully before starting the assembly. Follow the instructions carefully to ensure correct installation of the product.

1.1 Installation personnel

Installation work may only be carried out by adequately trained and qualified installers. Qualified personnel are those who have skills, knowledge and training in the installation of pv mounting systems necessary to follow this manual in order to safely use the required tools and to carry out the required procedures. They must be physically and mentally fit and at no time are they allowed to perform installation work while under the influence of drugs, alcohol or even drugs.

1.2 Security equipment

The installation team must distribute safety helmets, gloves, safety ropes and other equipment to each installation worker to ensure that each installation location is equipped with more than two installers for timely rescue in the event of an accident.

1.3 Construction site

During installation, the construction site must be closed to the public to prevent fall injuries.

At least one copy of the installation instructions must be available at the installation site.

02 Tools overview



Safety helmet



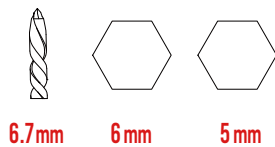
Goggles



Chalk



Electric Wrench



6.7mm

6mm

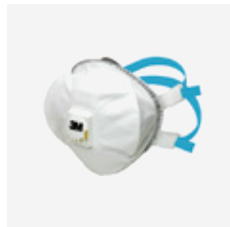
5mm



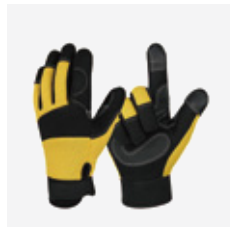
Tape measure



Grinder

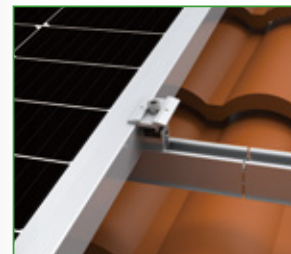
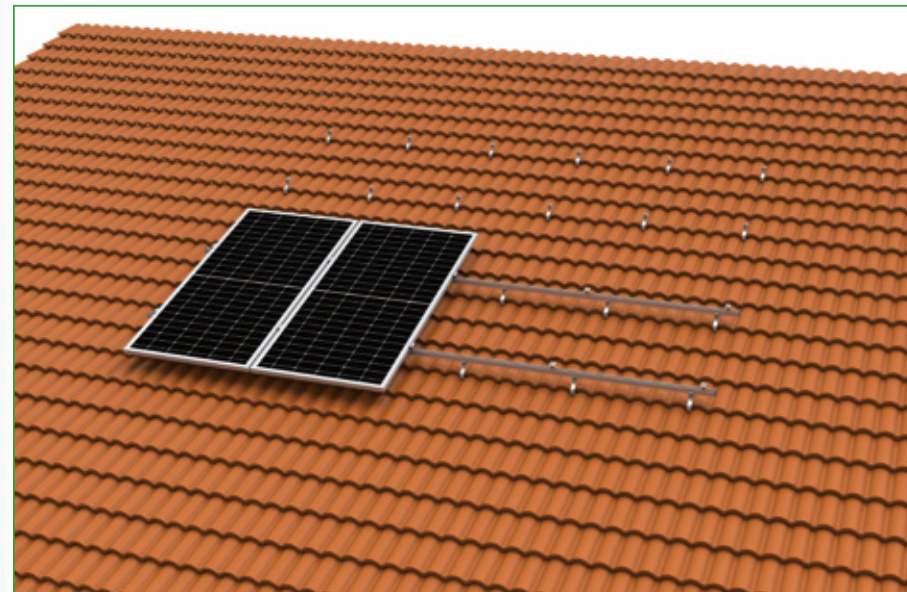


Dust mask



Engineering gloves

03 Detail display



04 Component introduction



Roof Hook Kits × 6 Sets



Mounting Rail × 4 PCS



Mid Clamp × 2 PCS



End Clamp × 4 PCS



Rail Connector × 2 PCS

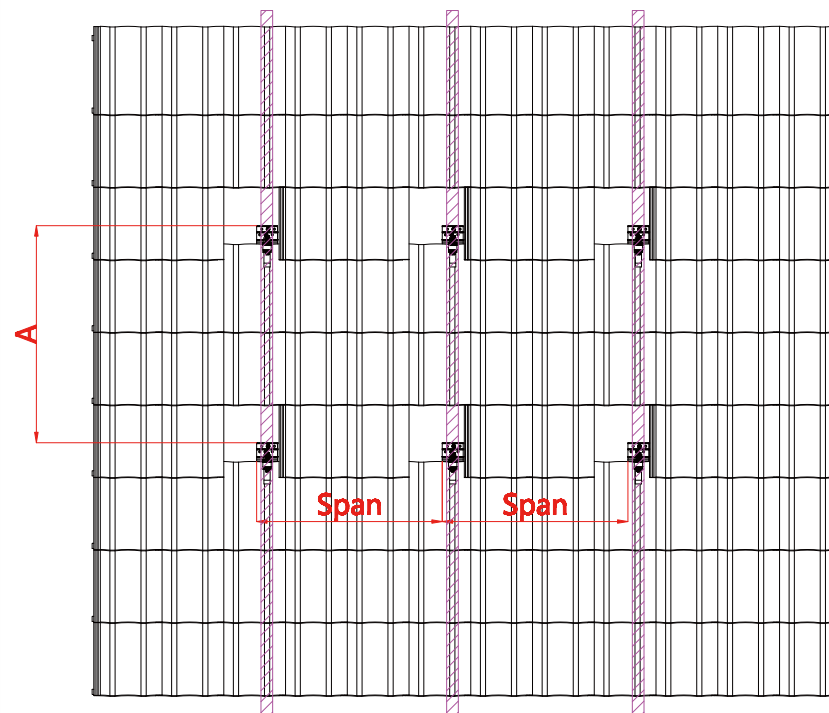


End Cap × 4 PCS

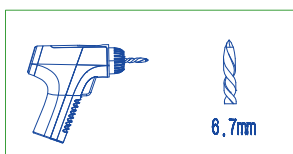
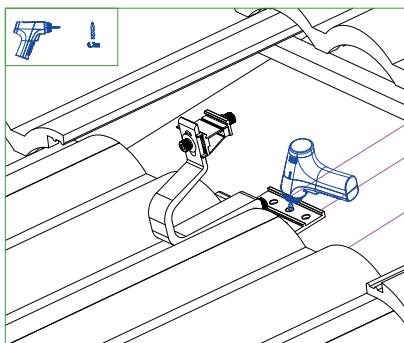
05 Installation step

5.1 Plan The Installation Point Table

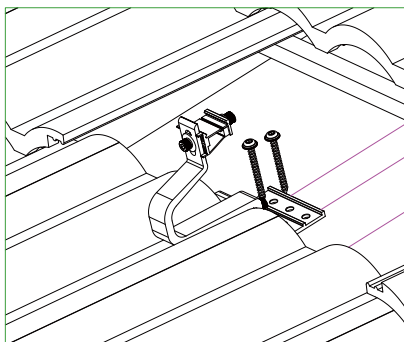
1. Measure the dimensions of the roof
2. Measure the spacing between wooden beams
3. Plan spacing between mounting points, make sure the mounting points are on the wooden beams.



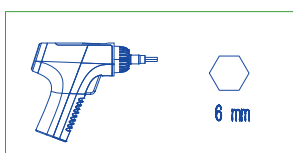
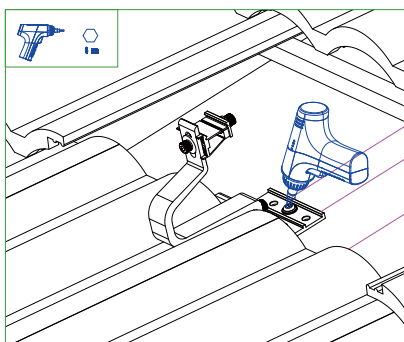
5.2 Install Roof Hooks



- 1 Pre-drill holes in the top beam using an electric wrench equipped with a 6.7mm drill bit, ensuring proper alignment and depth.

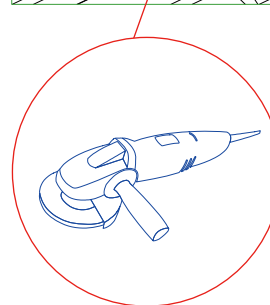
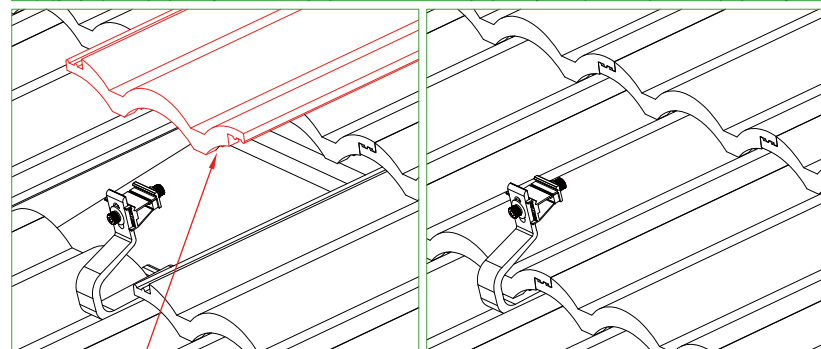
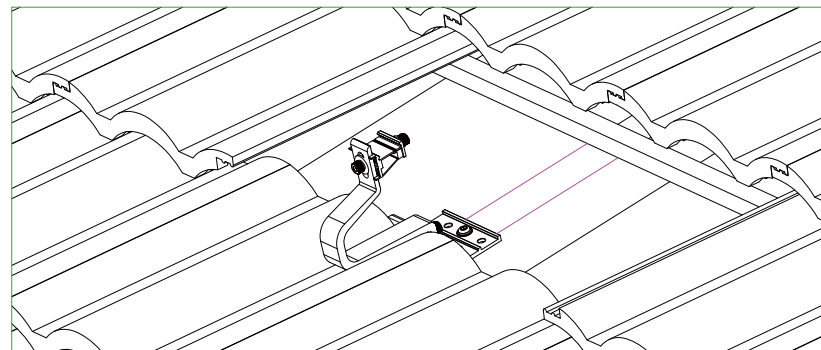


- 2 Align the two wood screws from the kit with the pre-drilled holes.



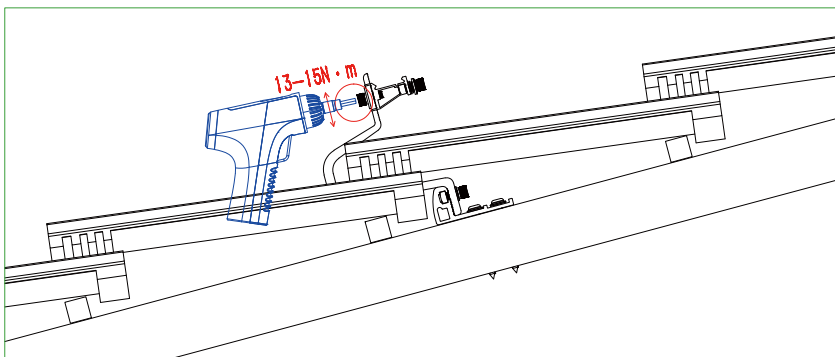
- 3 Use an electric wrench with a 6mm hex bit to fasten the aluminum hook to the wooden beam.

5.3 Restoring The Roof

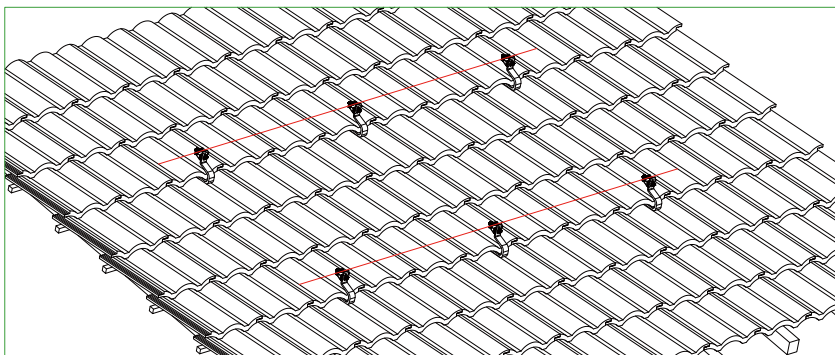


Use a grinder to properly sand the removed tile, make it match the hook and re-cover the tiles in their original position.

5.4 Adjusting The Aluminum Clamps



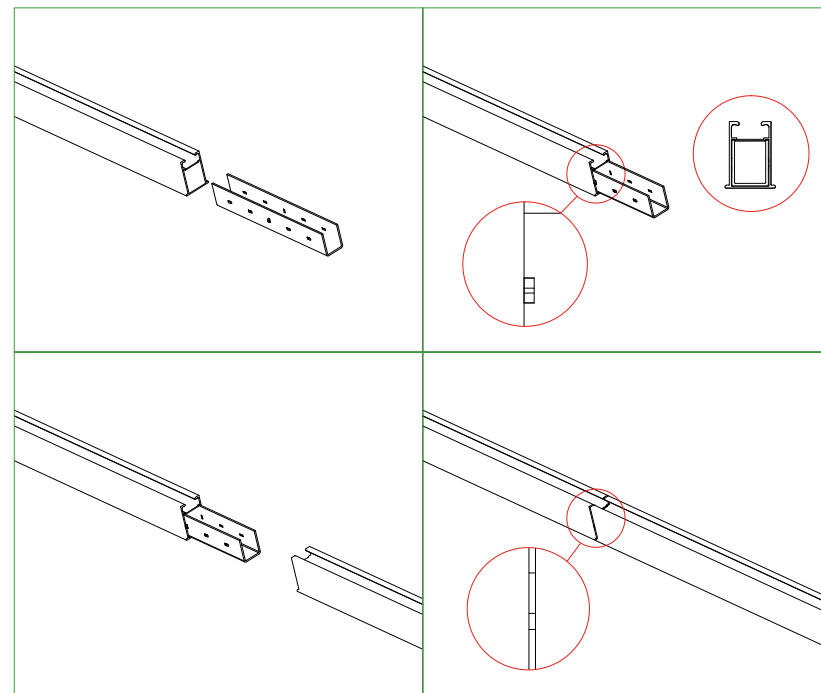
- 1 Adjust the pre-assembled aluminum clamp from the hook kit to the appropriate height, then tighten the clamp bolts to the specified torque.



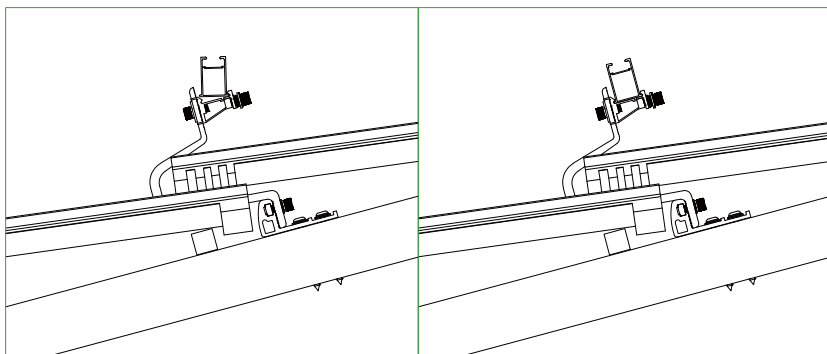
- 2 Effect display

(Please make sure the hook and the aluminum clamp are on the same level)

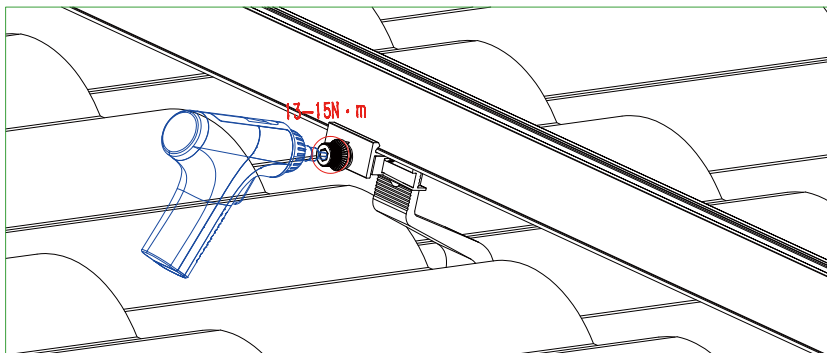
5.5 Install Mounting Rails



- 1 Use rail connector to connect two pieces of rails

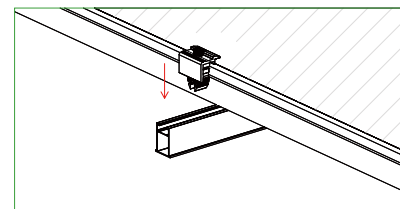


- 2 Align and clip the connected rails into the aluminum clamp, making sure they are properly seated.

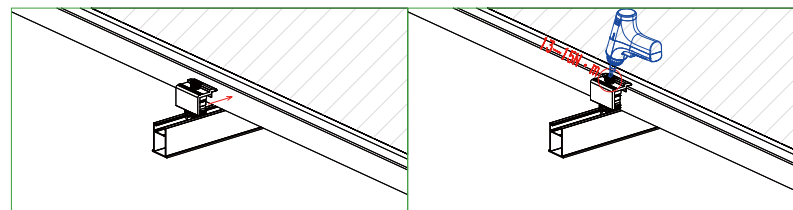


- 3 Then use the hexagonal electric wrench to tighten the clamp bolts to the specified torque.

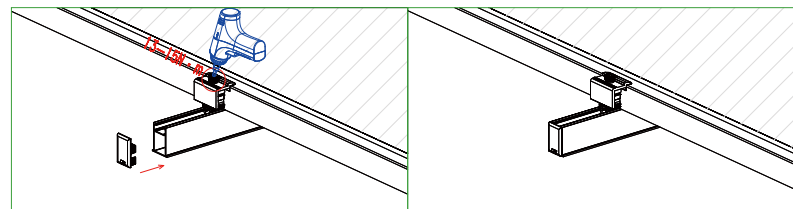
5.6 Install The Solar Panel



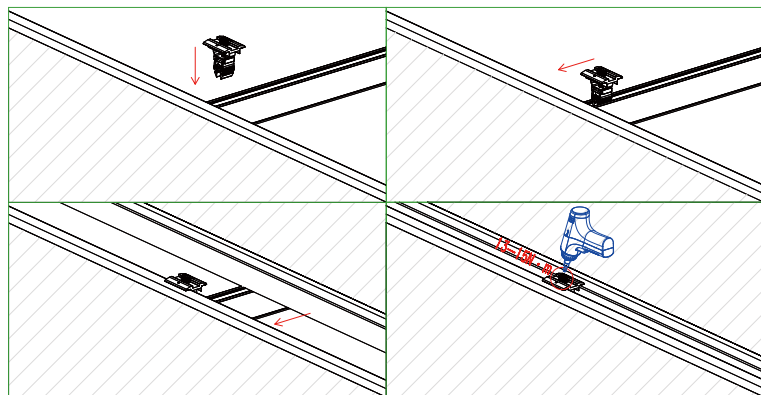
- 1 Place the end clamp perpendicular to the rail and press down to snap the clamp's nut into place. At this point, keep the solar panel clamp bolts loose.



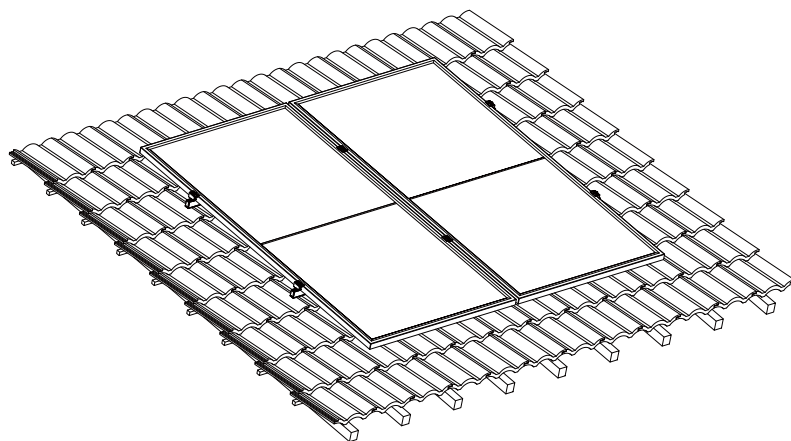
- 2 Position the end clamp by sliding it along the rail until it firmly engages with the module frame. Once properly aligned, tighten the clamp bolt to secure the panel in place.



- 3 Finally, snap the end cap into the end of the rail.



- 4 Repeat the same procedure to install mid clamps between adjacent panels, ensuring all remaining modules are properly aligned and fastened.



- 5 Installation Completed Display

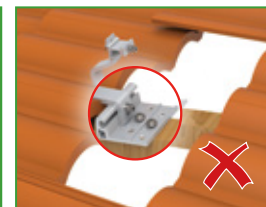
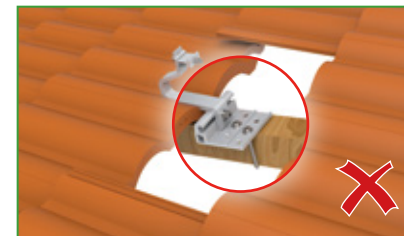
06 Error demonstration



- 1 Aluminum clamp bolts not tightened



- 2 The wood screws were not driven into the beam



- 3 Wood screws are too tight, too loose, or crooked