

1. About This Guide

2. Unboxing

2.1 What's Included

2.2 Optional Accessories

3. Component Overview

4. Layout Planning

5. Installation

Step 1. Assemble the Hooks

Step 2. Secure the Hooks to the Wood Purlins

Step 3. Install the Rails on the Hooks

Step 4. Install the Rail Caps

Step 5. Install the Grounding Clips

Step 6. Mount the First Solar Panel

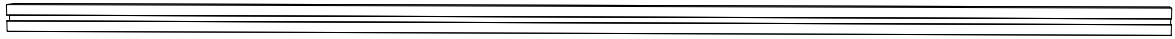
Step 7. Mount the Second Solar Panel

1. About This Guide

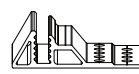
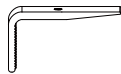
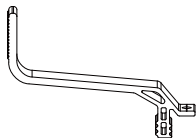
This guide explains how to use the Anker SOLIX solar panel mount kit to install two solar panels on a pitched tiled roof.

2. Unboxing

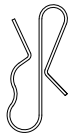
2.1 What's Included



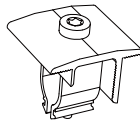
Rail (1200 mm) ×4



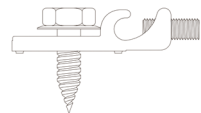
Hook Components ×6



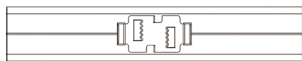
Wire Clip ×4



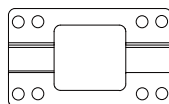
Clamp ×6



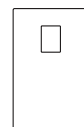
Grounding Clip ×2



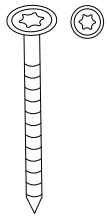
Rail Connector ×2



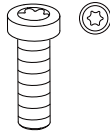
Bonding Plate ×2



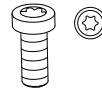
Rail Cap ×4



Screw
(M8 100 mm) ×14



Bolt
(M8 25 mm) ×12



Bolt
(M8 20 mm) ×6



Spring Washer
(M8) ×12

2.2 Optional Accessories

The following accessories can be ordered separately.

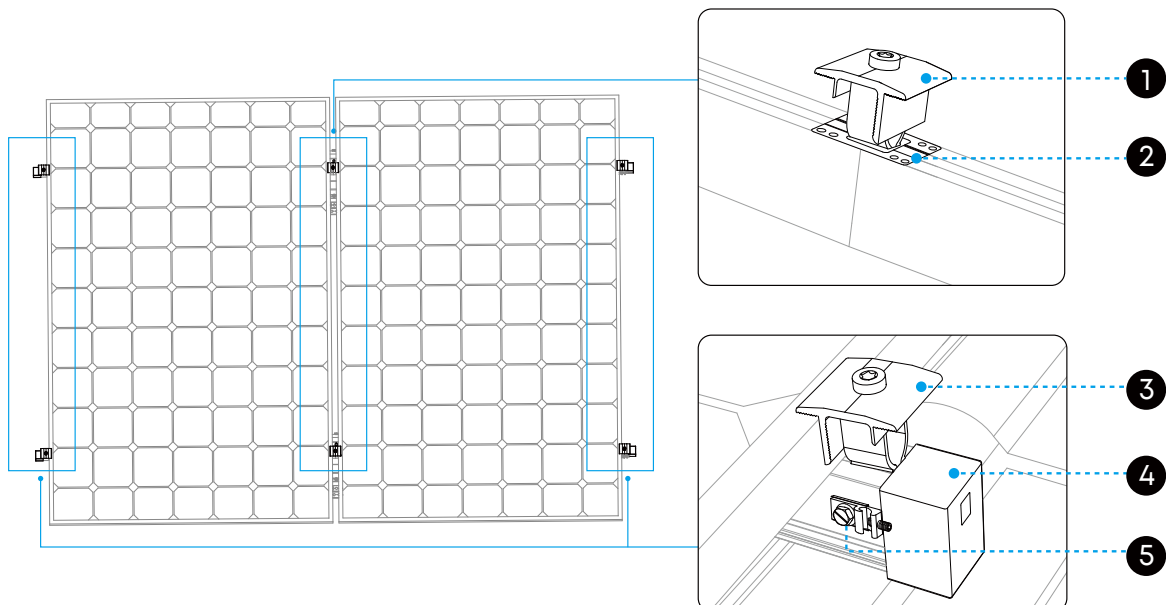


Rail Connector

Use one rail connector pack for every two extra panels.
Each pack contains two rail connectors.

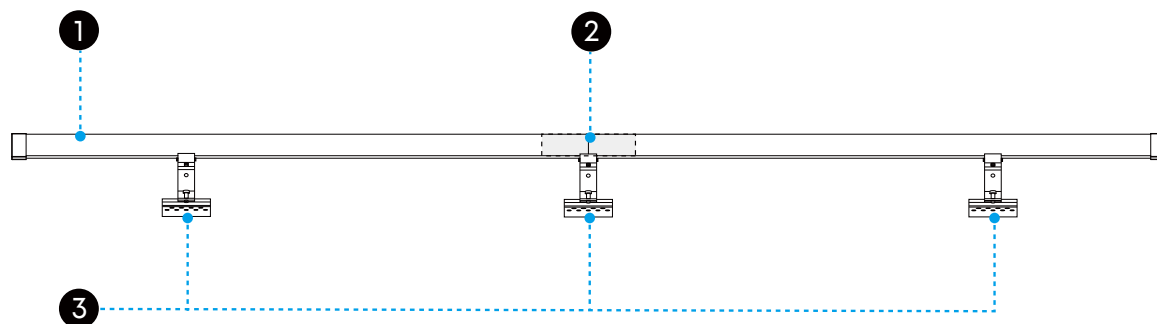
3. Component Overview

Complete Assembly



1. Clamp (between two solar panels)
2. Bonding plate
3. Clamp (at the end of each rail)
4. Rail cap
5. Grounding clip (on one side of each rail)

Rail Assembly

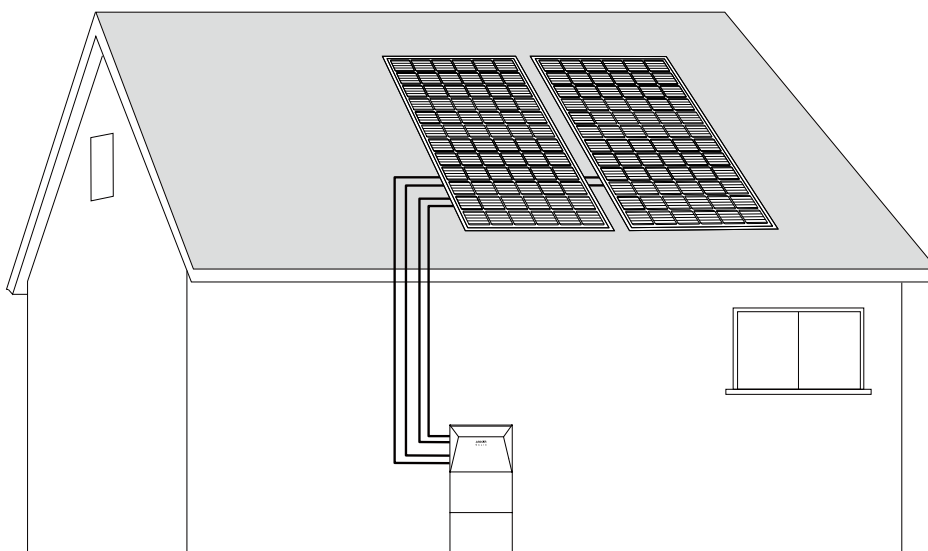


1. Rail
2. Rail Connector
3. Hook

4. Layout Planning

1. Determine the Solar Panel Location

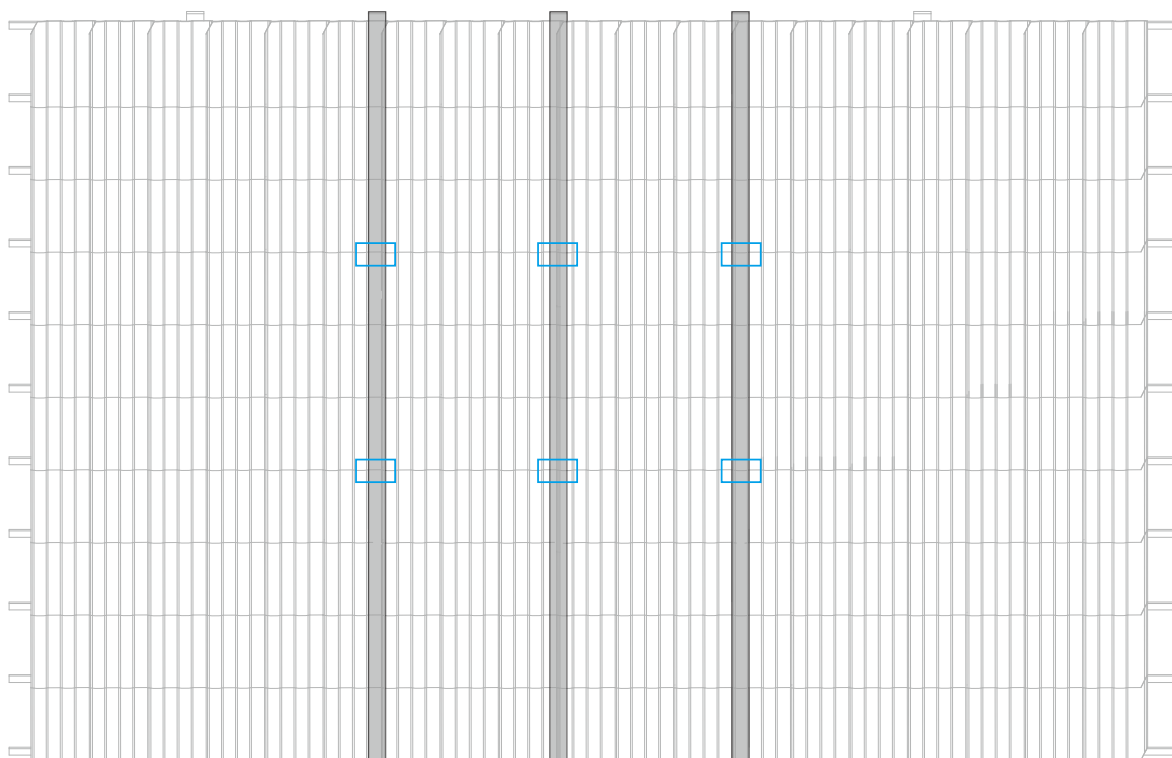
Determine the solar panel location based on cable length and the position of the Anker SOLIX energy storage system.



Use Anker SOLIX Solar Panel Extension Cables (sold separately) if additional cable length is needed.

2. Plan the Rail and Hook Layout

Within the selected solar panel area, measure the spacing between the wood purlins. Use the spacing to plan the rail layout and mark the hook positions.



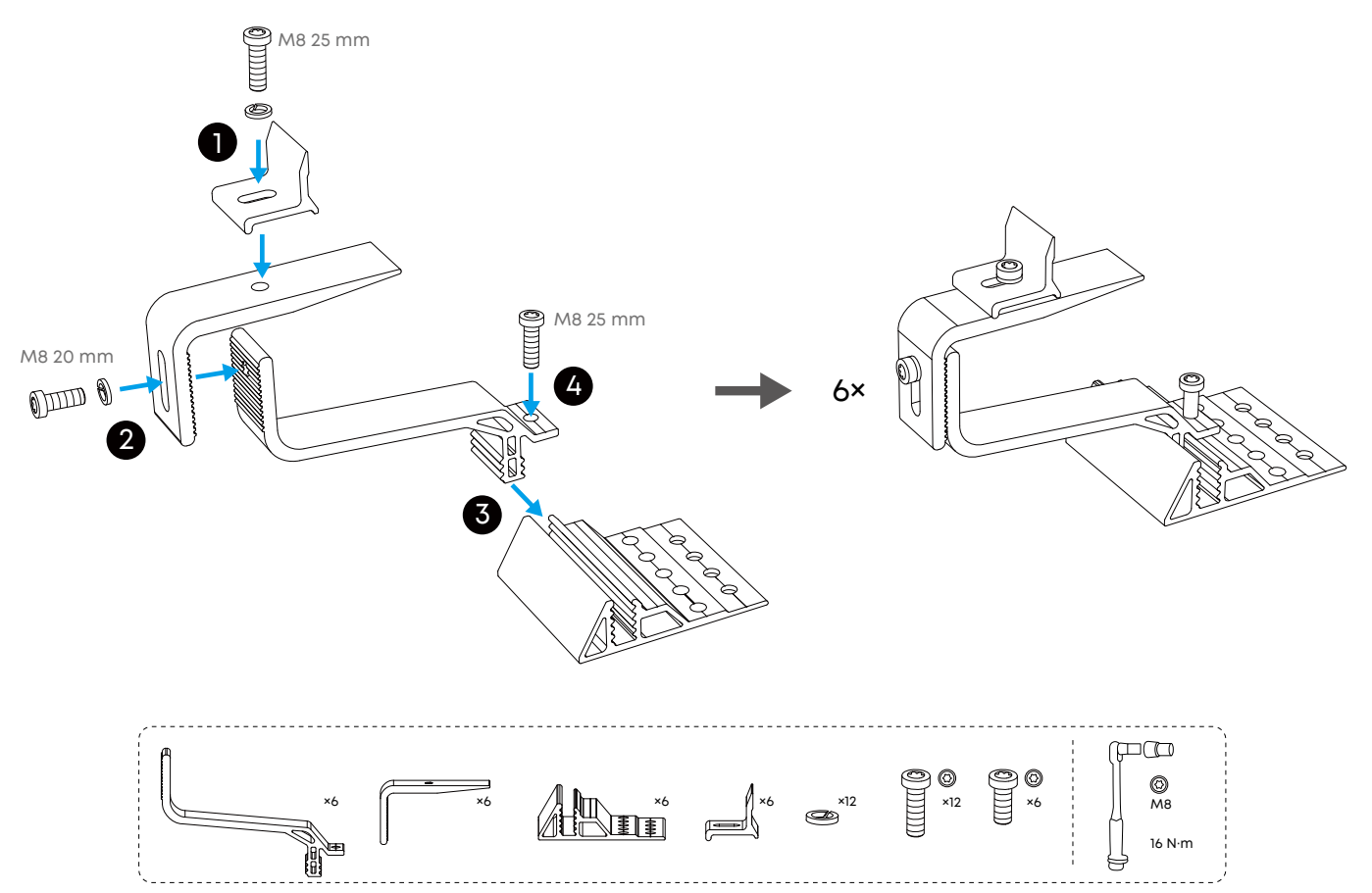
5. Installation



- Work with at least one other person during installation or removal.
- Wear appropriate personal protective equipment (PPE) and follow safe electrical work practices.
- Install the solar system on a sunny day if you want to verify and commission it immediately after installation.

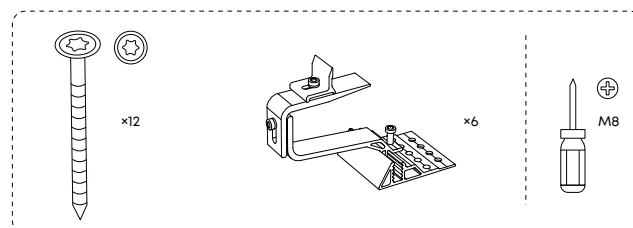
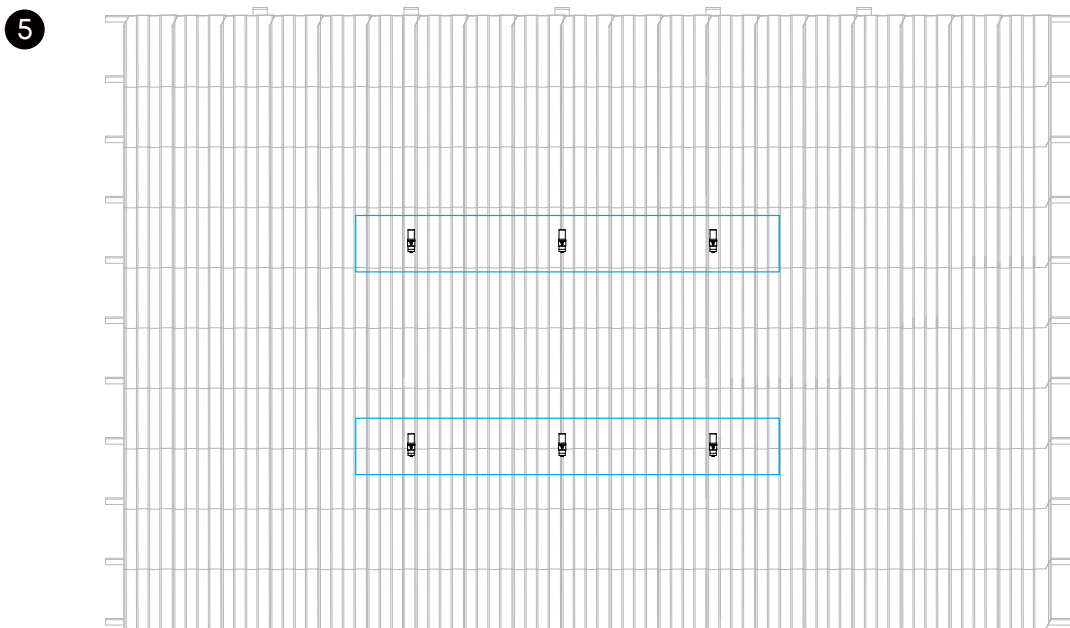
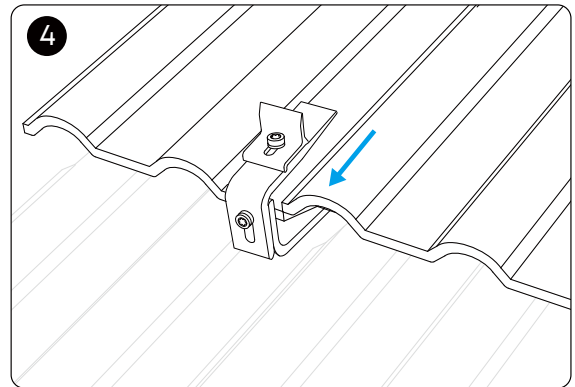
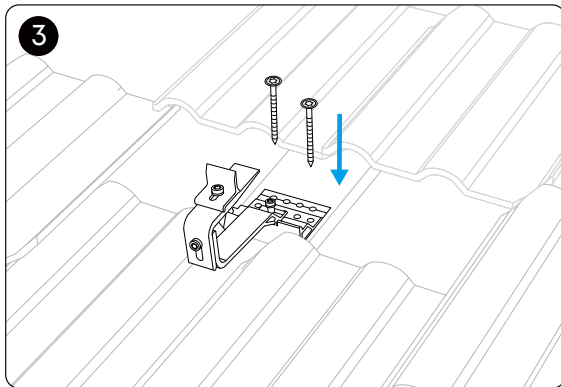
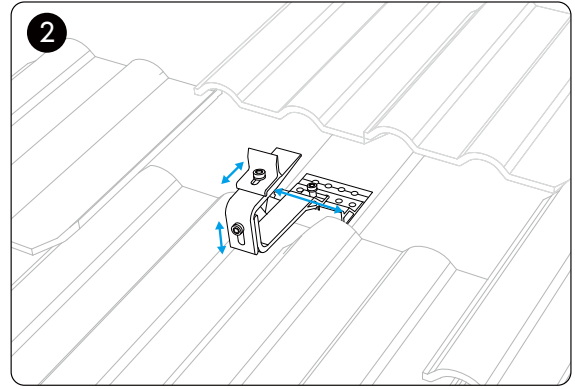
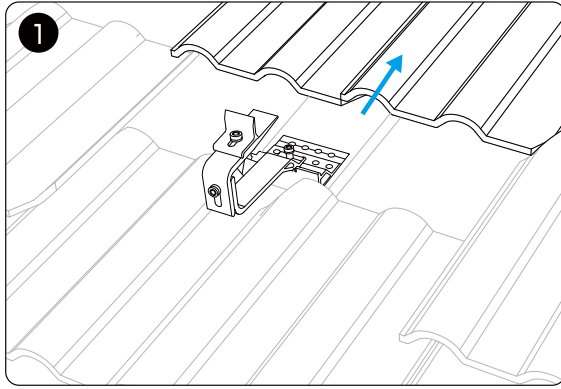
Step 1. Assemble the Hooks

Follow the procedure below to assemble six hooks. Tighten the bolts enough to hold the parts in place. Fully tighten them in the next step.



Step 2. Secure the Hooks to the Wood Purlins

1. Lift the roof tile and align the hook with the wood purlin.
 2. Adjust the hook position by loosening the bolts, and then tighten all bolts.
Make sure the hook does not interfere with the roof tile.
 3. Secure the hook with two screws.
- | Wood Type | Tightening Torque (Reference Only) |
|--|------------------------------------|
| Hard wood (such as oak, hard pine, and birch) | 5 to 6.5 N·m |
| Medium-hard wood (such as standard pine, fir, and plywood) | 4 to 5 N·m |
| Low-density boards (such as particle boards, medium-density fiberboards, and softwood) | 3 to 4 N·m |
4. Return the roof tile to its original position.
 5. Repeat the steps above to install the other five hooks.



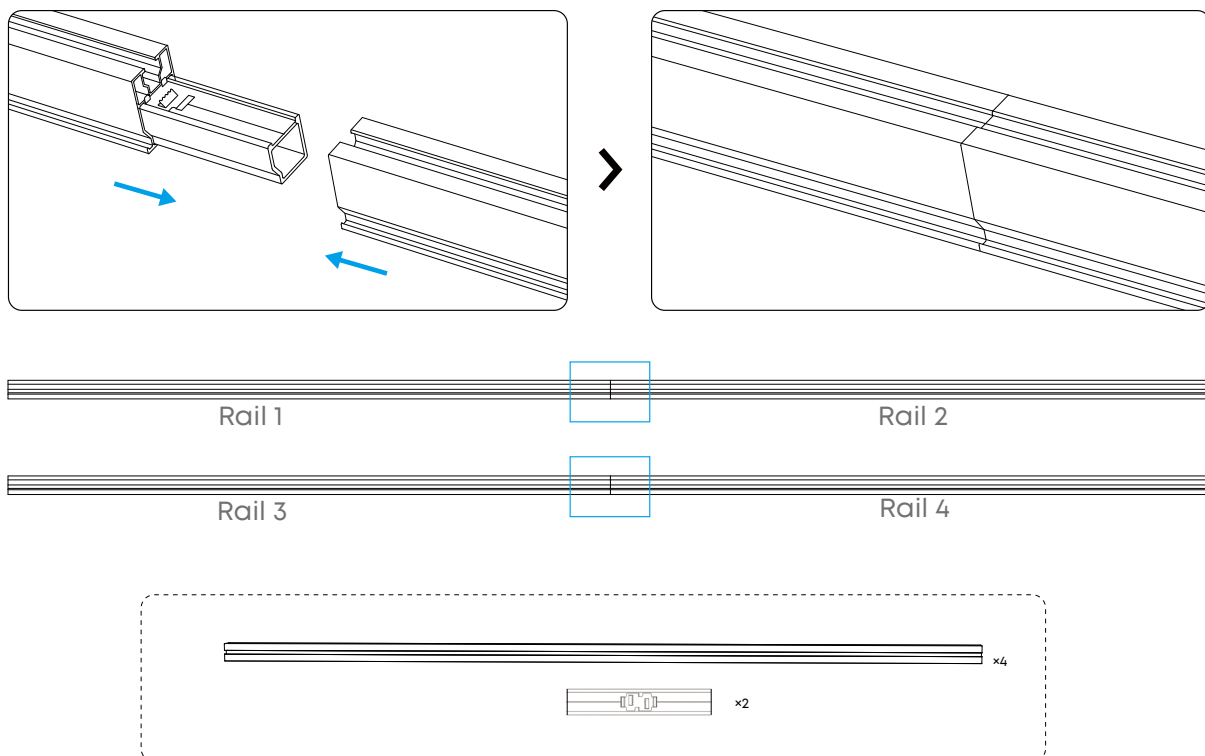
Step 3. Install the Rails on the Hooks



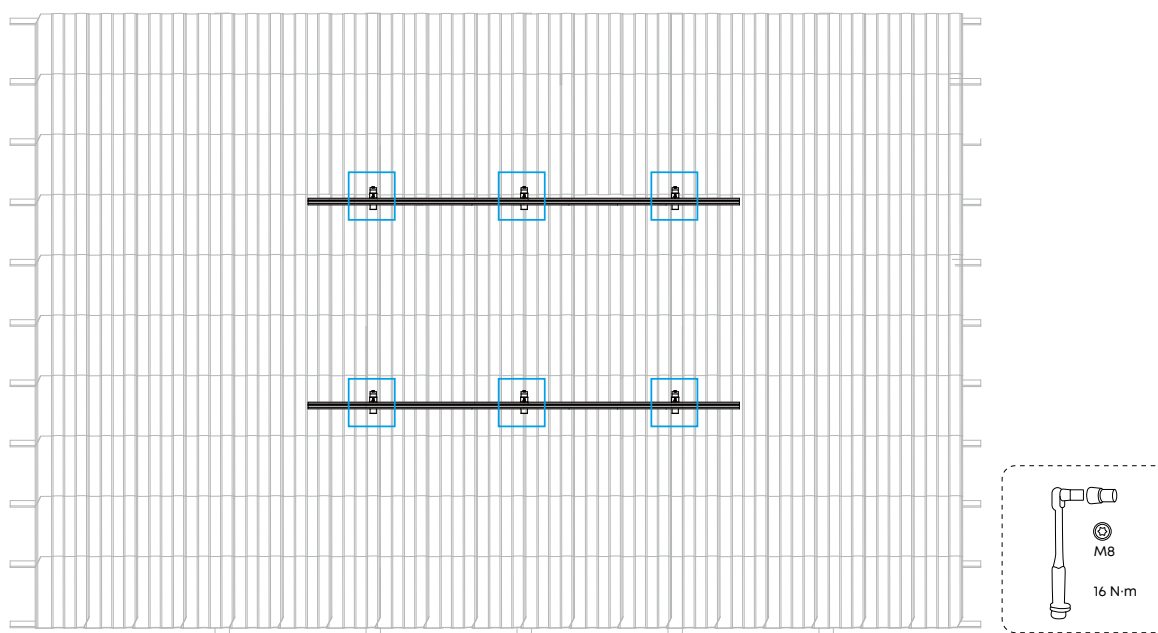
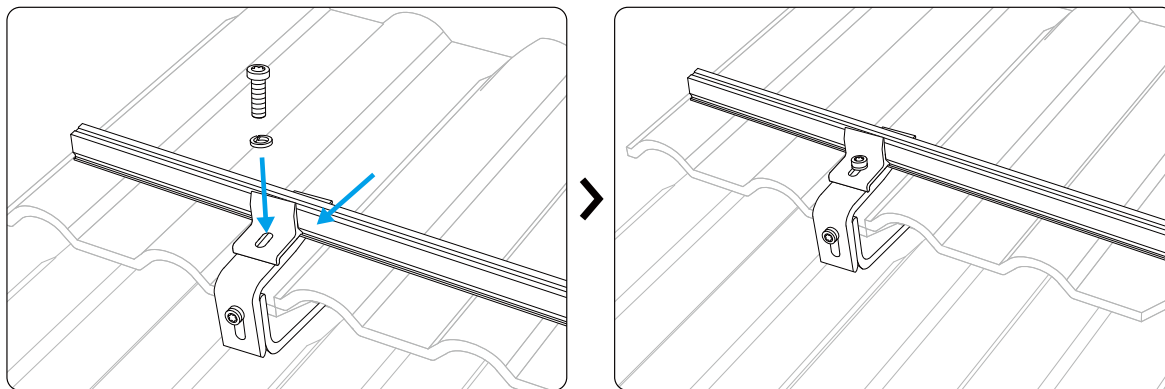
IMPORTANT: Once locked in place, the rail connectors cannot be released. Read the following installation procedure carefully to ensure correct use of the rail connectors.

1. Use one rail connector to join every two rails.

Slide the rail connector into the rail and lock it in place with the spring tab.

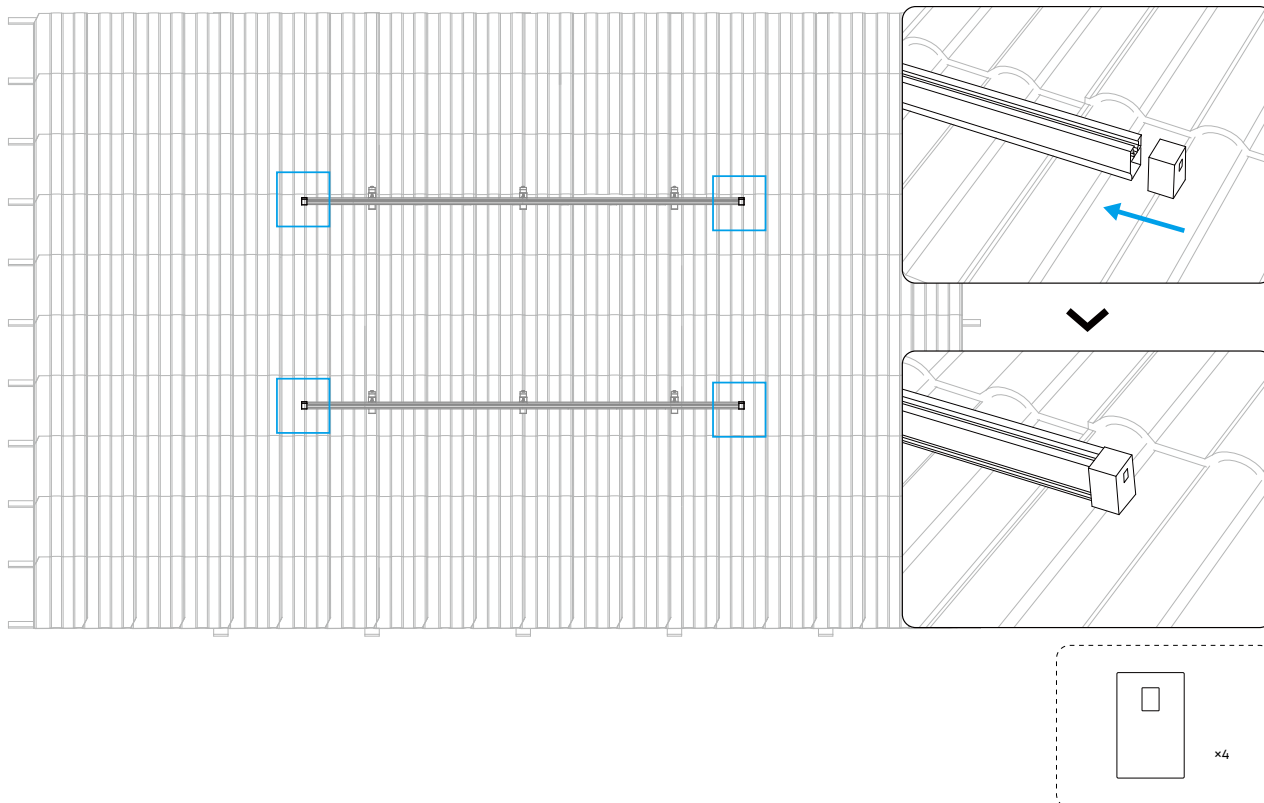


2. Secure each connected pair of rails to three hooks.



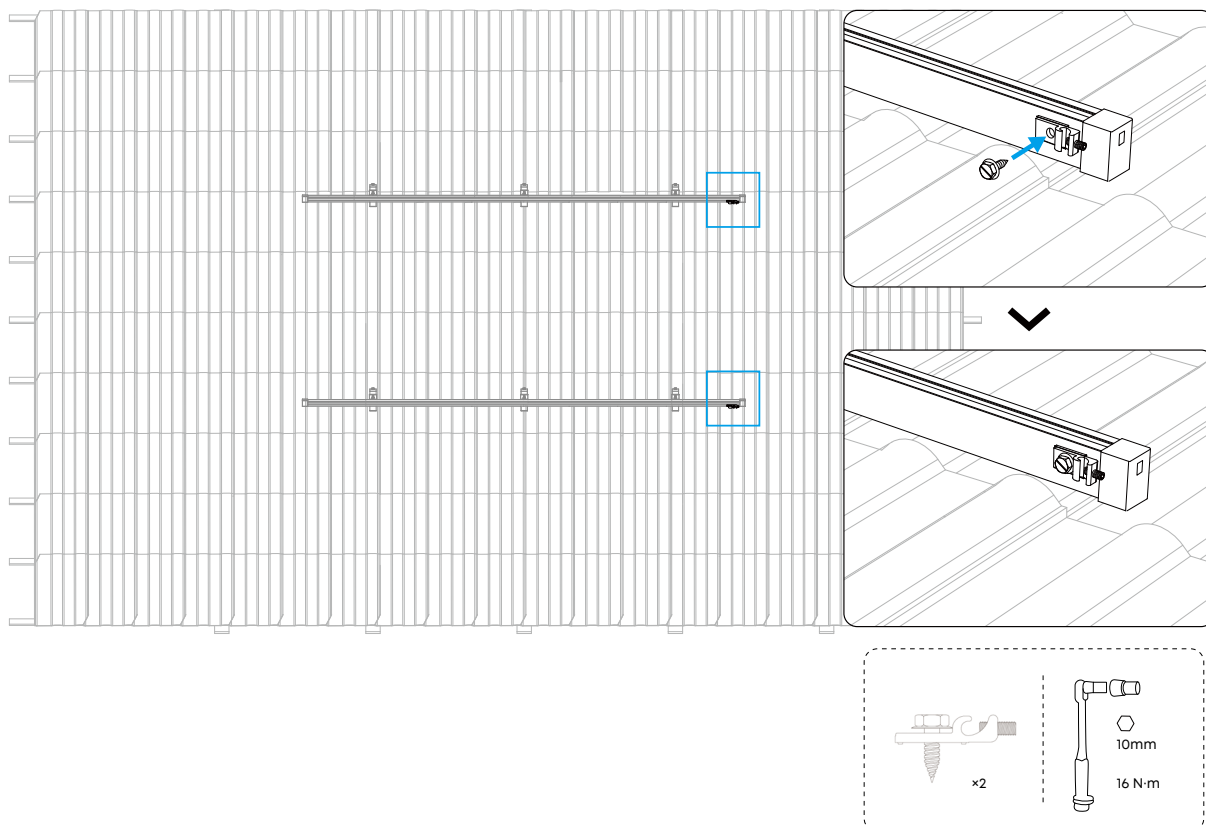
Step 4. Install the Rail Caps

Install one rail cap on each end of both rails.



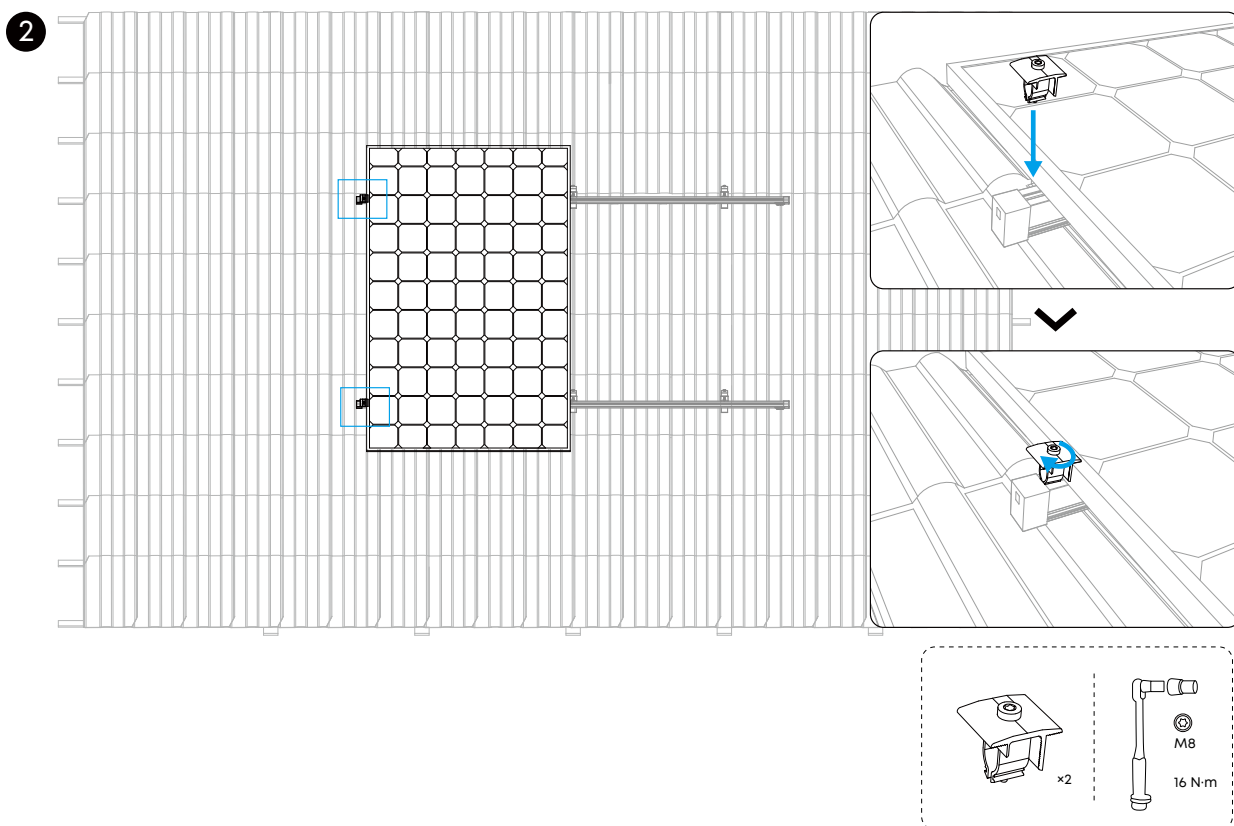
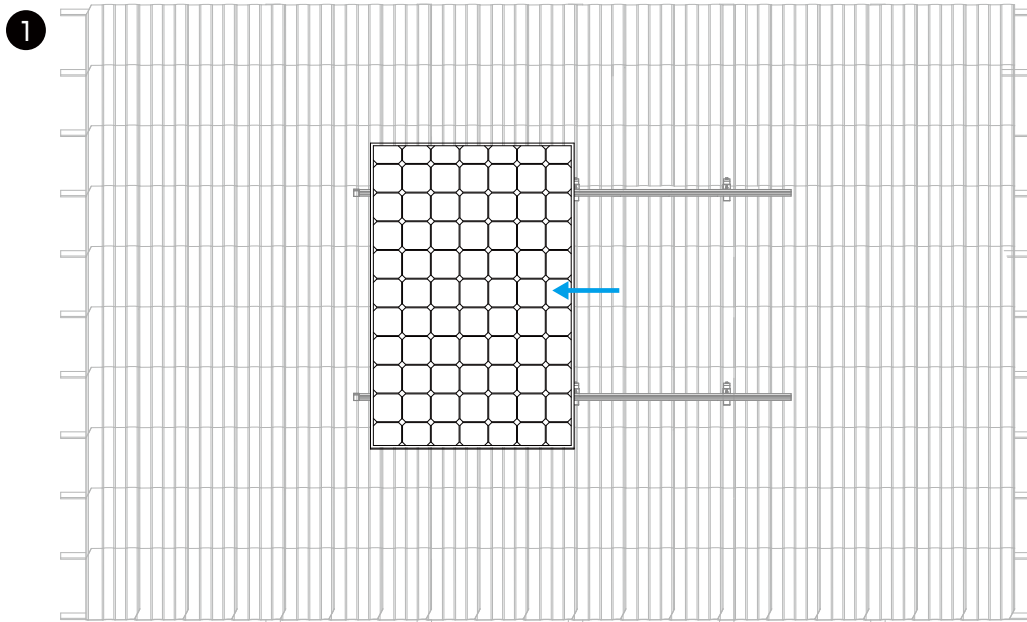
Step 5. Install the Grounding Clips

Install one grounding clip on one side of each rail. Use the same side on both rails if possible to simplify cable routing.



Step 6. Mount the First Solar Panel

1. Place the first solar panel on the rails.
2. Press the clamps into the ends of the rails, and then tighten the bolts.

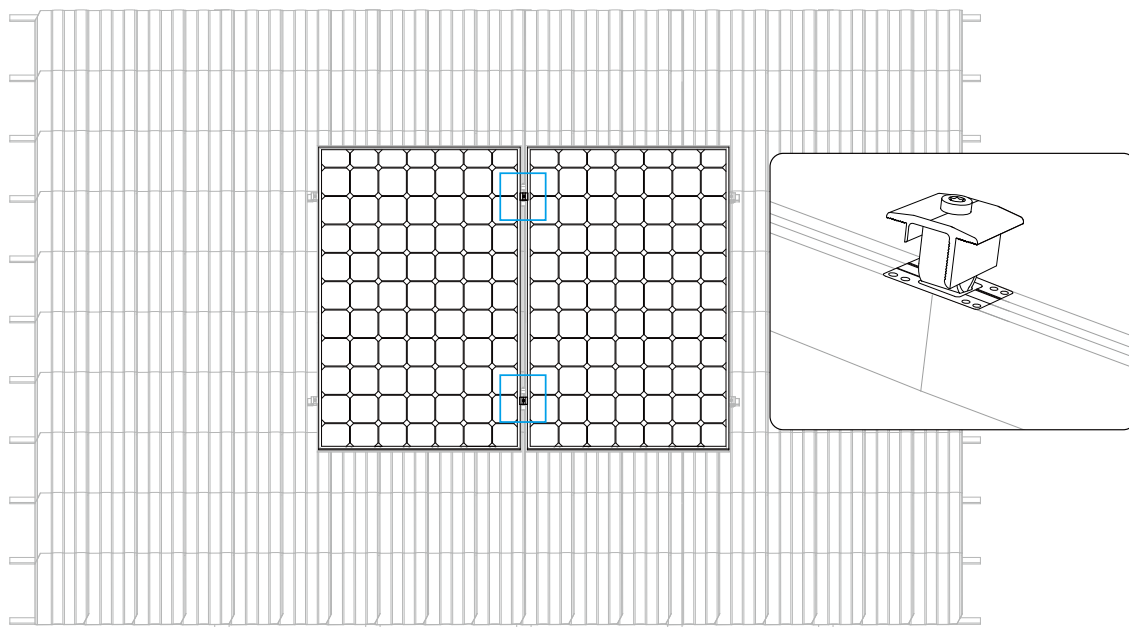


Step 7. Mount the Second Solar Panel

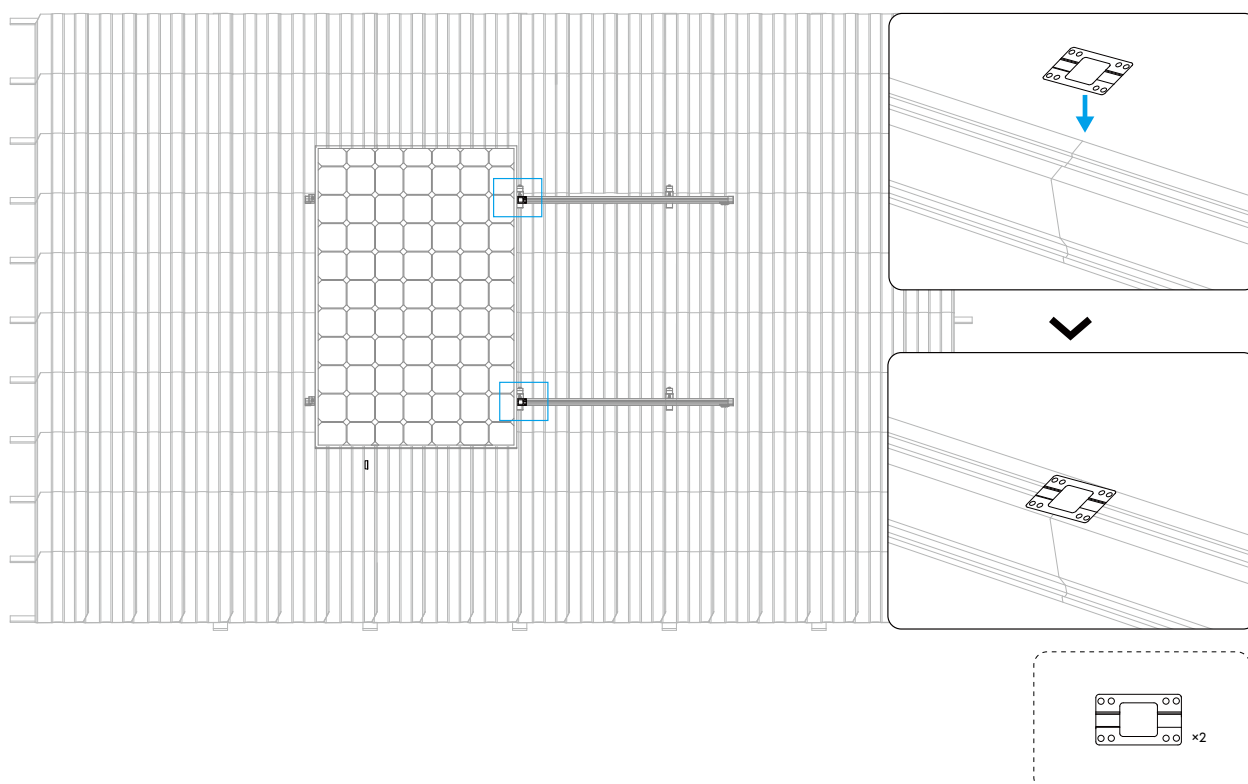


Bonding Plate and Clamp Placement Between the Two Solar Panels

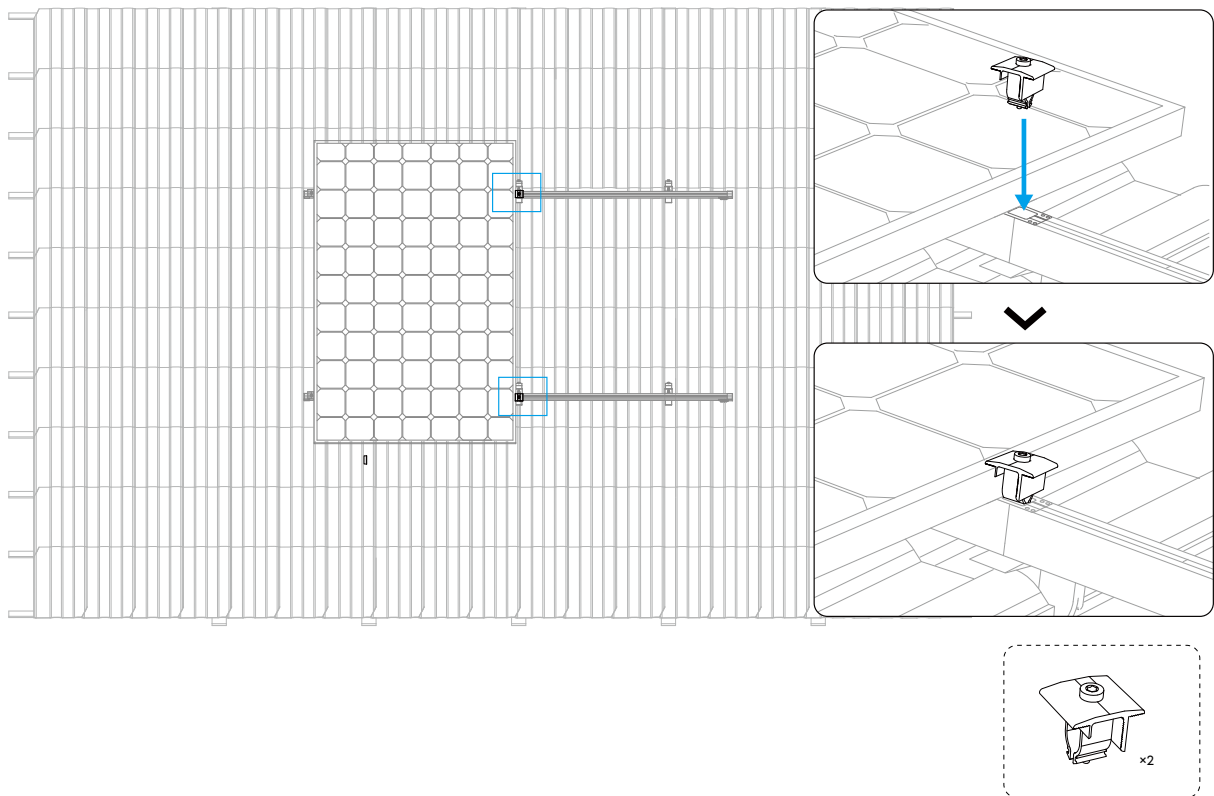
- Install the bonding plates and clamps on the rails between the two solar panels.
- Place each clamp so that it is directly against the panel frames on both sides.
- This placement is required to ensure proper grounding continuity.



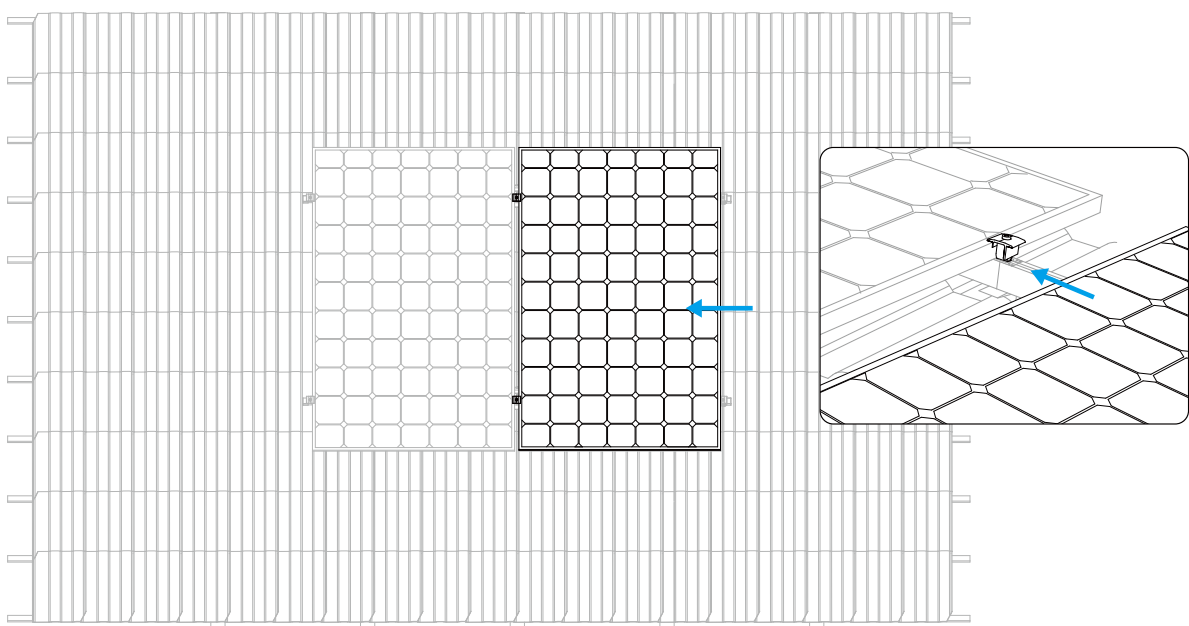
1. Place one bonding plate on each rail near the frame of the first solar panel.



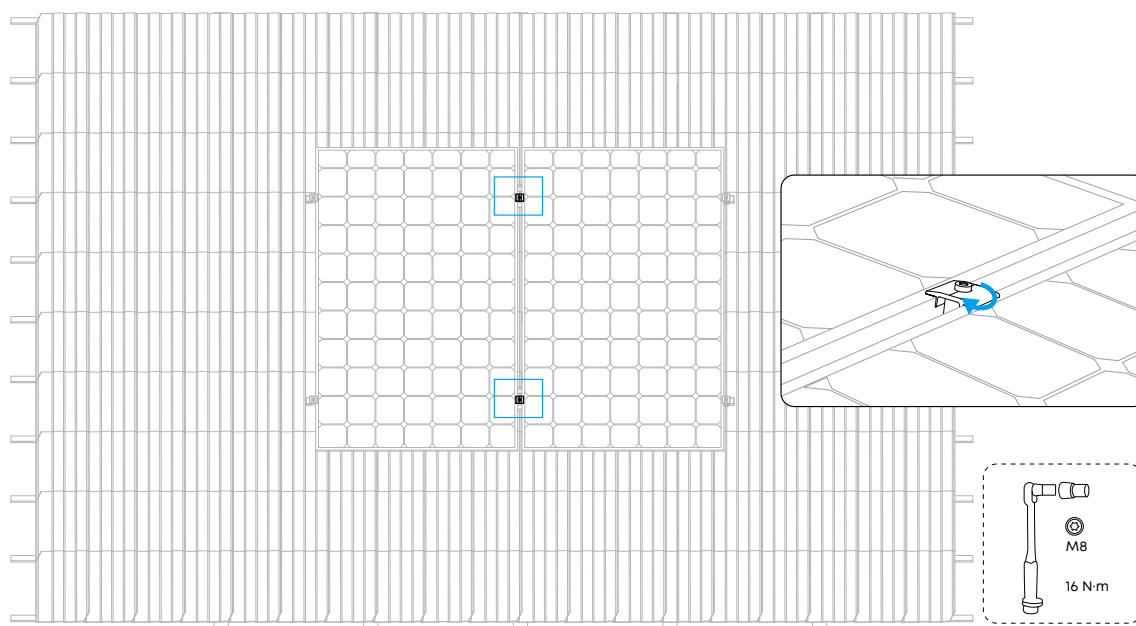
2. Press one clamp into each rail through the opening in the bonding plate.
Keep each clamp directly against the frame of the first solar panel.



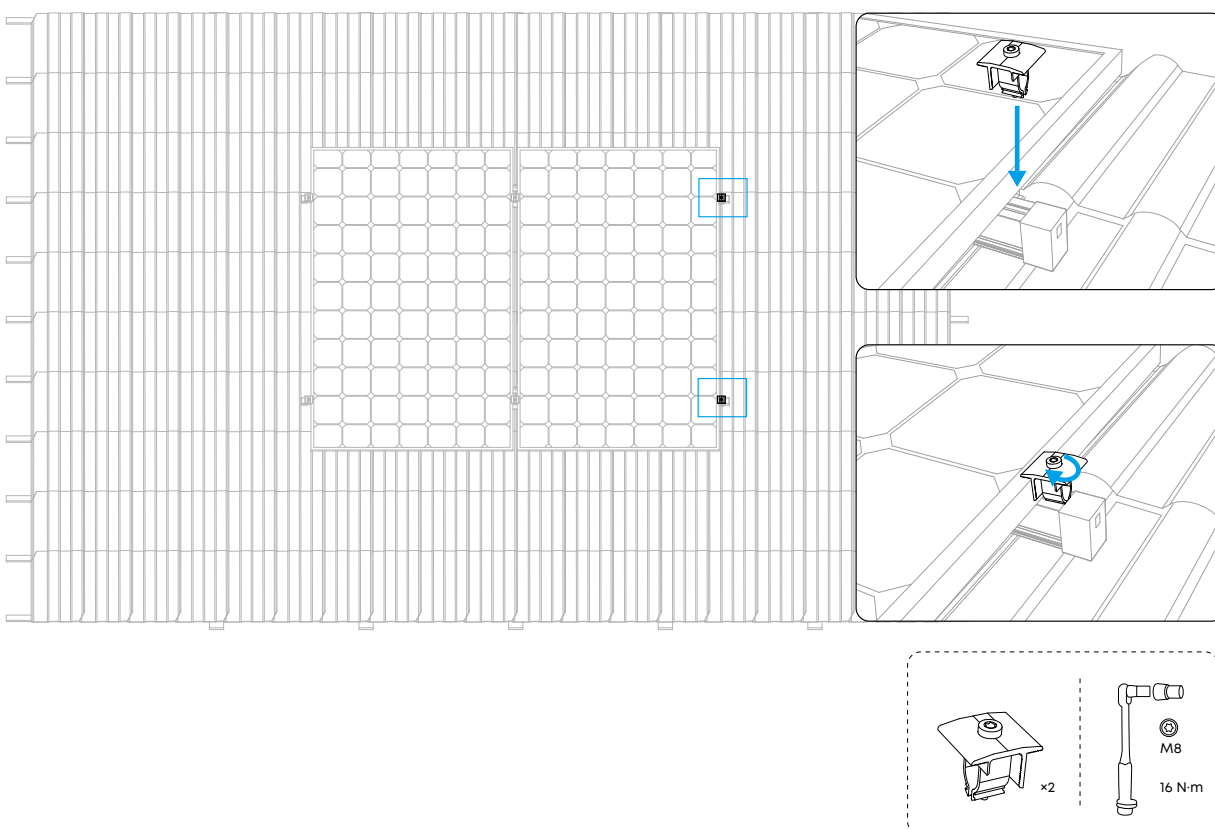
3. Insert the second solar panel into position.
Keep each clamp directly against the frame of the second solar panel.



4. Tighten the bolts on the clamps.



5. Press the clamps into the ends of the rails, and then tighten the bolts.



The solar panels are now installed on the pitched tiled roof.

