

# **Install solar panels in the cracks between tiles**





## Overview

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How to install solar panels on a tile roof?

To install solar panels on a tile roof, first bolt aluminium-alloy brackets to the roof, then attach rails to the brackets. Next, use specially designed clips to attach the solar panels to the rails, bolting them onto the edges of the panels.

How do you install solar panels on a new roof?

Mounting the solar panels – Once the new roof section is complete, a solar expert installs the racking system and solar panels securely onto the composite shingles. Unlike tile, these shingles can handle the weight and pressure of solar mounting without breaking.

Should you install composite shingles under solar panels?

By removing tiles and installing composite shingles underneath the solar panels, this method eliminates the risk of cracking tiles during installation or in the future. It also prevents damage to the underlayment, which is critical for waterproofing.

Can solar panels damage a tile roof?

Future damage from vibrations: Even if tiles remain intact during installation, they can weaken over time. Wind moving between the solar panels and the racking system can create vibrations that cause tiles to crack down the road. Because of these risks, standard installation methods won't work for tile roofs —especially lightweight ones.



## Install solar panels in the cracks between tiles

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