

# How to level the bottom of the photovoltaic panel



## Overview

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Fix the top and bottom rails at the mid-adjustment point on the attachment slot. Have someone hold it tight or clamp.

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### Leveling Shims

ProSolar(R)'s easy-to-install slotted shims (approx. 1/4") stack neatly on top of all FastJack(R) structural attachments to account for uneven sections of roof. Creates a level plane for solar railing/racking in

### Back40

We will be using END clamps (G) to secure the ends of the panels and MID clamps (H) to secure and attach adjoining panels. Both types consists of the clamp, a bolt, and a T-nut.



### Rail Roof Install

When we added solar panels to the simple roof mount installed well before we bought the place, we discovered the rails were far from parallel. We had to drill holes on the underside of the 2

### Guide to Solar Panel Mounting

Solar panel arrays can be mounted in many ways, so it's important to understand considerations like materials, costs, and orientation before deciding on a mounting system.



[How to level the solar panel installation, NenPower](#)



### [How to find & set solar panel tilt angles for your location](#)

There are some useful Google Play APPs for free that can be used to check solar panel tilt angles. "Solar Tilt" offers daily tilt angles, latitude, and a leveling tool.



### [Installers: How do you level your rails? : r/solar](#)

I've read the tips and watched the videos on how to sight down the rail to see if it's straight east-west and to lay a rail across multiple rows to see where you're low/high from row to row and will

### **How To Lift Solar Panels Onto Roof**

To lift solar panels onto your roof, you can use a ladder railing system, a pulley system, a lifting bag, or even DIY lifting systems using a pulley. Carrying them up the ladder can also be done



### [Tips and methods for leveling photovoltaic brackets](#)

If you are considering solar panels (or simply wonder how they are attached to the rooftops in your neighborhood), there are a few common racking and mounting methods to

## [How To Mount Solar Panel - A Step-by-Step DIY Guide](#)

Wondering how to mount your new solar panels? Here's a step-by-step guide including everything you need to know to install PV panels all on your own!



## Contact Us

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