

# Is it okay to install photovoltaic panels on the west side of my house



## Overview

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If your roof faces west, you can still install solar panels. West-facing solar panels lose about 10% to 15% of their annual energy production—though the loss could be as high as 20% if you don't have the right roof pitch for solar panels. Installing solar panels on a west-facing roof is a practical choice for many American homeowners seeking to maximize afternoon and evening energy use. This article explains how west-facing arrays perform, key installation considerations, cost and ROI expectations, and practical tips to optimize. Most solar panels are oriented so they face south, but they'd be more useful to nation's utilities if more of them faced west and helped with peak power needs in the late afternoon. You'll also need to choose the right panel type based on your energy. In the Northern Hemisphere, the south side of a house is the best location for solar panels, because it is the side that receives the most direct sunlight. The panels should be installed at an angle that is equal to the latitude of the location, so that they can receive the maximum amount of. Here's a surprising reality: Two identical homes on the same street install the exact same solar system on the same day—identical panels, same size, same installer. Yet after 25 years, one homeowner saves \$18,000 while their neighbor saves only \$15,000. The difference?

Just three degrees of panel.

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### What Direction Should Your Solar Panels Face? , Angi

In the United States, your solar panels should face true south, but east- or west-facing panels are still a viable option. In the southern hemisphere, you'll want to face your panels true north. ...

### Solar Panels on the Side of Your House

When installing solar panels on the side of your house, you'll need to assess shading and obstructions from trees, buildings, and roof elements like vents and chimneys, as even partial shading can greatly ...



TILE ROOF SOLAR MOUNTING SYATEM



STANDING SEAM ROOF SYATEM



ADJUSTABLE TILT FLAT ROOF SYATEM



TRIANGLE FLAT ROOF SYATEM

### What Side of House is Best for Solar Panels (Solar Panel Placement ...

Now that you know what side of the house is best for solar panels, here are some tips to maximize your solar energy production: If your south-facing roof isn't large enough for all your solar ...

### What Side of House is Best for Solar

## Panels (Solar Panel Placement ...

Today's high-efficiency panels with power optimizers can harvest usable energy even from non-ideal orientations. This means east and west ...



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## Can Photovoltaic Panels Be Installed Facing West? The Surprising ...

You've probably heard the golden rule of solar installation: "Always face panels south for maximum efficiency." But what if your roof resembles a compass needle stubbornly pointing west?



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## Solar panels: East-facing or west-facing roof?

So, in essence, the answer is that you should try to put your panels on the 'sunnier' side of the roof in terms of weather: if you have cloudy mornings more often, the west-facing roof, and if ...



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## Why Most Homeowners Get Solar Panel Direction Wrong (And How ...

Today's high-efficiency panels with power optimizers can harvest usable energy even from non-ideal orientations.

This means east and west-facing systems are now viable options that ...



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### **Solar Panels on West-Facing Roof: Performance, Costs, and ...**

This article explains how west-facing arrays perform, key installation considerations, cost and ROI expectations, and practical tips to optimize energy production for household needs.



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### **Solar Panels on the Wrong Side of Your Roof? Here's What to Do**

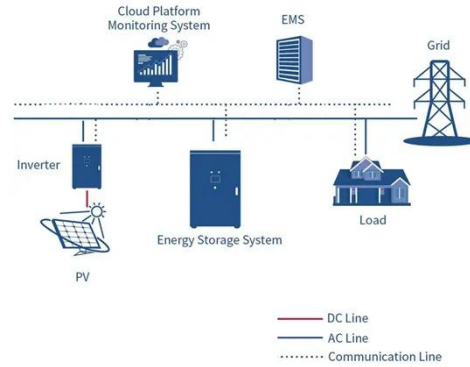
A growing number of Southern California homeowners are experiencing unexpected changes to their solar panel layouts--sometimes without any advance warning. And while this can be incredibly ...

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### **The Case for West-Facing Solar Panels**

Are they facing the right direction? Most solar panels are oriented so they face

south, but they'd be more useful to nation's utilities if more of them faced west and helped with peak power ...



## Solar Panel Direction & Orientation: 2025 Complete Guide

Remember, the best solar panel orientation for your home depends on your unique situation, including roof characteristics, energy usage patterns, local climate, and financial goals.

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