

# Which Side of the Solar Panel to Use





## Overview

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What orientation should a solar panel be on?

1. Vertical (Portrait) Orientation: The longer side of the panel runs up and down. 2. Horizontal (Landscape) Orientation: The longer side of the panel runs side to side. While the orientation might seem like a minor detail, it can significantly impact the overall performance and efficiency of your solar power system.

Which side of a roof is best for solar panels?

So, if your home or roof does not have any north-facing roof space available, but does have two sides that face east and west, you may be asking yourself which side would be a better location for the most power generation. Making the right decision will impact on how much money you can save with your solar panels.

Which direction should solar panels go?

South Orientation: South is the worst direction solar panels can face. But because of how much they have fallen in price it's still normally worthwhile. Of course, it still makes sense to first place panels in other directions if space is available. In Sydney, south-facing panels typically produce around 30% less energy than north-facing ones.

Should solar panels face east or west?

Solar panels that face east or west will produce about 15% less energy than those installed on a south-facing roof. A north-facing roof is the worst direction for solar, as panels will produce around 30% less energy than if they face south.

Should solar panels be vertical or horizontal?

In many cases, the difference in energy production between vertical and horizontal orientations is minimal when panels are correctly angled and



positioned to maximize sunlight exposure. The choice between vertical and horizontal should, therefore, be based on: – Roof Space Optimization: Maximize the number of panels and their exposure to sunlight.

Which side of a solar panel produces the most electricity?

North Orientation: Panels that face north produce the most electricity overall and can be the best choice for people who are at home during the day. Not only are they there to use electricity when it's produced it's also easy for them to shift demand by using washing machines, clothes dryers, pool filters and other devices in the middle of the day.



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### [Solar Panel Orientation Guide: Vertical vs. Horizontal](#)

Solar panels can be installed in various orientations depending on the roof type, available space, and specific energy needs. The two most common orientations are: 1. Vertical (Portrait) ...

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

The best side of the house for solar panels is the side that gets the most sun exposure throughout the day. While there are many factors to consider when determining the ...

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### Panel mount options on side of barn , DIY Solar Power Forum

I am building a Solar system for a barn to provide power for network gear: camera to watch animals, lights, and occasional small AC tool use with an inverter. Previously, I had ...

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### Are Solar Panels Safe? Top 10 Solar Panel Safety Questions

Are solar panels dangerous? It's a good question to ask! Things like electricity and technology advancements can bring lots of questions about





safety and security. We're tackling 10 of the ...

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[PV Interconnection: Load-Side vs. Line-Side](#)

Adding a sub panel and pulling the house breaker off the sub panel but also using that subpanel as the interconnection point of the solar breaker? It was explained to me that this would ...

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### **Panels on side of house , Page 2 , DIY Solar Power Forum**

Panel output drops with heat, but panel output drops a lot MORE from having a panel be basically vertical on a wall, vs the incremental loss from heat. In northern latitudes ...

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[Solar Panel Direction & Orientation: 2025 Complete Guide](#)

Discover the optimal direction and angle for solar panels to maximize energy output. Complete guide with calculations, tools, and location-specific recommendations for 2025.

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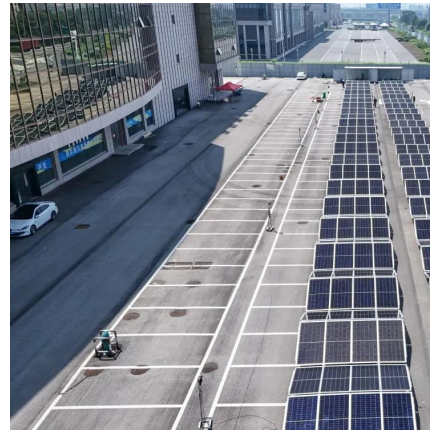




### [Which side of the solar photovoltaic panel faces up?](#)

Solar panel orientation directly impacts energy production by determining sunlight exposure throughout the day. Ideally, solar panels should face true south in the Northern ...

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### **Solar Panel Placement: Best Direction & Orientation Guide**

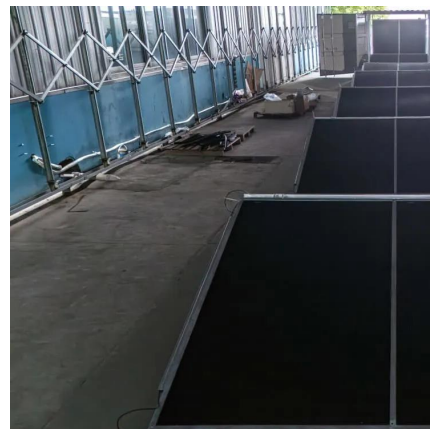
For homeowners in the northern hemisphere, south-facing panels are ideal. Since the sun travels across the southern half of the sky, this direction ensures maximum exposure throughout the ...

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### **Best Direction for Solar Panels to Maximize Savings -- ...**

In the United States, the best direction for solar panels to face is south as it exposes them to the most sun and allows them to produce the most electricity possible. Solar panels that face east ...

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