

## SolarMax Energy Systems

**Can photovoltaic panels be  
used if they are not facing  
south**



## Overview

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It's not the end of the world if your solar panels can't face south. Panels facing east or west might produce slightly less energy over the course of a day, but they can still be quite effective. Other factors like tilt, shading, and panel technology also significantly impact efficiency. Can you put solar panels on a south facing roof?

If you don't have a south- or west-facing roof for your home, it's still possible to install solar panels, but you won't get as much power production. If you live in a sunny location, solar panels require western exposure for maximum power generation. How much room do you have on your roof?

Roofs come in many shapes and sizes.

Do solar panels have to face south?

As you can see, a south facing roof gives the optimal direction for solar panels, delivering a potential saving of £194.41 in the first year. Meanwhile a north facing roof would still save you money on your energy bills but not as much (£92.35).

What is solar PV power & how does it work?

In this mix, solar PV power represents a variable resource that is active from sunrise to sunset, and which peaks at different times during the day depending on the orientation of the PV panels.

Which direction should a PV system be oriented?

From a PV system owner standpoint, systems oriented to the south have traditionally been preferred, as they typically generate the highest overall power. However, there are a variety of factors that dictate the orientation of rooftop systems.

How does PV system orientation affect energy production?

Figure 1 allows us to observe how south and west PV system orientation energy production can affect the grid. South-facing systems produce the most energy earlier in the day, while west-facing peak production is focused later in the day, coinciding more closely with peak electricity load during this period.

Does a south-facing PV system produce more power than a west-facing system?

On weekends, when many offices are closed, the overall load was lower. While south-facing PV systems produce more power overall than west-facing PV systems, from a utility standpoint, the impact of the losses in overall PV production of west-facing systems are likely to be more than offset by the value of the reduction in the peak load.

## Can photovoltaic panels be used if they are not facing south

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### Best Direction for Solar Panels , Trinity Solar

North-facing: This direction is the least efficient for solar production in the northern hemisphere and is generally avoided unless paired with additional panels or batteries. What if your roof ...

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### What is the Best Direction for Solar Panels to Face

Discover the best direction for solar panels and factors affecting energy output. Know why south-facing is ideal for solar panels and what its alternatives are.

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### North-facing vs south-facing panels [UK, 2025]

We explore the difference in output between north-facing and south-facing solar panels, and discuss whether it's worth having a north-facing solar panel array in the UK.

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### The Best Direction for Your

## Solar Panels

Optimizing angles can increase energy production, but if you have to choose between south-facing orientation or a better angle, south-facing ...

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### West vs. South: Why change the orientation of your PV system

To optimize electricity production from a solar PV system, PV panels should face south. Find out why orienting PV systems west may be beneficial.

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### What Direction Should Solar Panels Face? Probably South, but It ...

In general, panels facing directly east or west will produce about 20 percent less electricity, and so south is the best direction for year-round solar productivity.

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### The Best Direction for Your Solar Panels

Optimizing angles can increase energy



production, but if you have to choose between south-facing orientation or a better angle, south-facing orientation will make the most ...

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## Why Solar Panels Shouldn't Always Face South , Energy Hero

To get the very most power from your solar panels,, you should face them South. But this article explains why you should consider other directions too.

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## Orientation of solar panels

Even though the south solar panel direction is considered the best, it is not always an option. But that doesn't mean you can't go solar; it only means that your yield will be slightly ...

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## Can solar panels be installed on a north facing roof?

Solar panels capture sunlight and convert it into electricity through photovoltaic cells. The angle and

direction of these panels in relation to the sun are crucial ...

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## A Full Guide to Solar Panel Placement and Installation

Solar panels are an increasingly popular way to generate renewable energy at home. They offer a clean and sustainable source of ...

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## What is the Best Direction for Solar Panels to Face

Roof Orientation and Angle: If south-facing roofs are not doable, solar panels that face east or west can also generate sufficient energy and save you money. To satisfy your electricity ...

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## What Is The Best Direction For Solar Panels?

You also need to add more panels to compensate for energy losses, and even then, it's unlikely that you could produce



enough solar energy to make it a ...

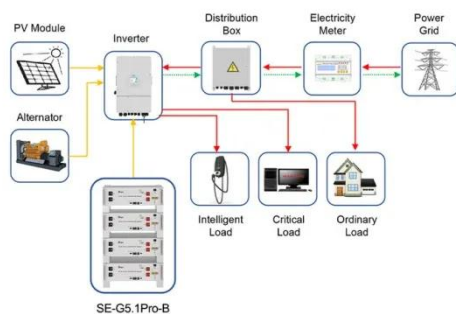
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## My House Doesn't Face South, Can I Still Use Solar Power?

Yes, modern solar panels, like bifacial solar panels, can capture sunlight from both their front and back, making them efficient for non-south-facing installations.

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Application scenarios of energy storage battery products

## How much less efficient are north-facing solar modules?

As a result, we can color-code the various tilt-azimuth combinations for the Charlotte example. The north-facing section of 1/12 roofs are likely to ...

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## Can You Install Solar Panels on a Roof That Doesn't Face South?

Yes, solar panels can work effectively on east- or west-facing roofs, typically



producing 85-95% of the energy a south-facing system would generate, especially when using modern optimization ...

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PUSUNG-R (Fit for 19 inch cabinet)



## My House Doesn't Face South, Can I Still Use Solar ...

Yes, modern solar panels, like bifacial solar panels, can capture sunlight from both their front and back, making them efficient for non-south ...

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

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 ...

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

A 2023 NREL study revealed that west-facing systems can generate 88% of south-facing systems' annual output in

mid-latitudes. But here's the kicker - they actually outperform south ...

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## South-Facing or Not: Can Solar Panels Still Work on Your Roof?

Is a south-facing roof essential for solar panels? Spike Electrical explores orientation, shading, and panel performance to help you make the most of solar energy ...

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## Do Solar Panels Have to Face South?

Solar panels typically face south in the Northern Hemisphere to maximize sunlight exposure and energy production. However, depending on other factors like geographic ...

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## Why are solar panels facing due south? , NenPower

CAN SOLAR PANELS BE EFFECTIVE IF

NOT SOUTH-FACING? Although south-facing panels are generally the most effective in maximizing solar energy production, it ...

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## Solar Panel Orientation: Does It Really Affect ...

- While south-facing is ideal, panels can still perform well when oriented east or west, especially if peak energy usage aligns with morning or late afternoon ...

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## What Direction Should Solar Panels Face? Probably ...

In general, panels facing directly east or west will produce about 20 percent less electricity, and so south is the best direction for year-round solar ...

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## Why should solar panels face south - Solar Green ...

The optimal orientation of solar panels is crucial because it maximises the exposure of PV cells to direct sunlight

throughout the day. ...

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## West vs. South: Why change the orientation of your ...

To optimize electricity production from a solar PV system, PV panels should face south. Find out why orienting PV systems west may be ...

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### ESS



## A guide for where to place your solar panels , Geo ...

With a south-facing roof, your solar panels will produce the greatest amount of energy overall, but east or west-facing roofs can also work well and ...

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