

KREATYWNY ENERGY POLSKA

Whether the photovoltaic panels face southwest or southeast



Overview

In most cases, the best direction for solar panels is facing south 1. Arrays that are appropriately oriented can improve energy output by up to 30% or more 2. However, factors such as roof slope and proximity to the equator may have some homeowners considering other directions. East-West Orientations Offer Strategic Value: While producing 75-85% of south-facing output, east and west-facing panels can provide superior financial returns by aligning with time-of-use electricity rates and matching typical household consumption patterns. However, a south-facing roof is by no means a necessity for a productive and economically viable solar power system. Yet after 25 years, one homeowner saves \$18,000 while their neighbor saves only \$15,000. The difference?

Just three degrees of panel. The general guidance is to have panels facing toward the south, but that is only one of several factors that should be considered when creating an optimized solar panel layout. is facing roughly south and tilted between 15 and 40 degrees, according to the Department of Energy.

Whether the photovoltaic panels face southwest or southeast



Does My Roof Have to Face South for Solar? , Home Solar 101

Panels angled to the southwest or southeast produce around 8% less than their due-south counterparts. If the solar panels face directly east or west, the production is closer to 20% less than directly south ...

Maximize Efficiency: Best Direction for Solar Panels , Sunrun

So how do you know which direction your solar panels should face? In this article, we break down the best direction for any goal and the aspects that influence that decision.



What's the Best Angle for Solar Panels? , EnergySage

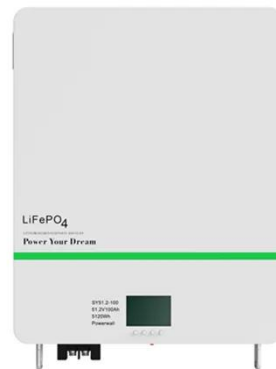
South-facing solar panel systems almost always generate the most electricity, but east-west roofs can work well for solar, too. The direction is more important than the angle. Angle is rarely ...



Why Most Homeowners Get Solar

Panel Direction Wrong (And How ...

While most solar companies default to "south-facing is best," the reality is far more nuanced. Your optimal panel direction depends on factors most installers never even consider.



What Direction Should Your Solar Panels Face? , Angi

In the U.S., south-facing solar panels produce the most energy. East- or west-facing panels produce 10% to 20% less energy, and north-facing ones produce 30% less energy. When ...

Photovoltaic Roof Panels Most Often Face Which Direction

So while the direction of PV panels matters, it should be viewed in concert with tilt and mounting strategy. A well-chosen combination of south-facing orientation and latitude-based tilt ...



What is the Best Direction for Solar Panels to Face

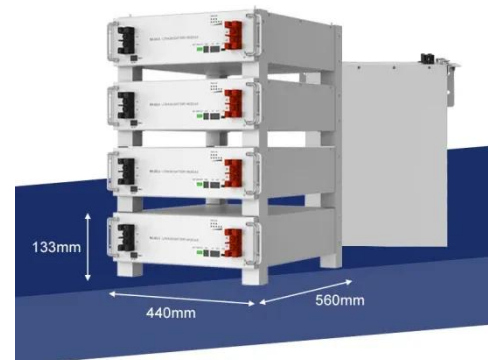
Here are the solar panel directions and their probable impact on the energy production: Southwest or Southeast orientation: Solar panels installed on a

roof facing southwest or southeast are known to ...



What To Consider When Deciding the Direction Your Solar Panels Will Face

The direction that solar panels face has a significant impact on the production and savings that homeowners see. The general guidance is to have panels facing toward the south, but that is only ...



Which direction do solar panels face? , NenPower

In the Northern Hemisphere, while south-facing panels are generally preferred, orientations towards the southeast or southwest can also provide favorable results. In these regions, ...



Solar Panel Direction & Orientation: 2025 Complete Guide

Orientation refers to the cardinal direction your solar panels face (north,

south, east, or west), also known as the azimuth angle. Tilt angle describes the vertical angle of your panels relative ...



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