

# Tips for aligning rooftop solar panels





## Overview

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This guide explains how to determine the best solar panel angle by latitude, compare roof-mounted vs. ground-mounted solar, and apply proven solar installation tips to boost your system's solar power performance and maximize every bit of sunlight. What is the best roof orientation for solar panels?

The main string is facing North, which is the best roof orientation for solar panels. These panels should get the optimum amount of sun throughout the day. The smaller string is facing East. These panels will get 15-20% less sunlight than the panels facing North. Obviously the installer could not fit all the panels on the North facing roof.

Which direction should solar panels face?

1. Understanding Solar Panel Orientation The orientation of solar panels refers to the direction they face. The optimal orientation depends on geographic location: Northern Hemisphere: Panels should face true south for maximum sunlight exposure. Southern Hemisphere: Panels should face true north.

How do you maintain a solar panel?

Dust, dirt, and debris can reduce solar panel efficiency over time. Regular cleaning and maintenance help sustain performance. Use non-abrasive cleaning materials. Check for bird droppings, leaves, or snow accumulation. Inspect wiring and connections periodically.

Why is proper solar panel placement important?

Proper solar panel placement is essential for maximizing efficiency and return on investment. By optimizing orientation, tilt angle, shading, and installation methods, solar energy systems can produce higher yields and provide long-term savings.



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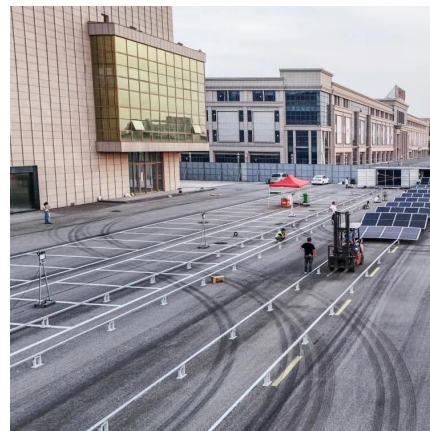


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