

# Solar Onsite Energy Solar Panel Orientation





## Overview

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Why does solar panel orientation matter?

**Why Solar Panel Orientation Matters** The orientation of your solar panel—meaning the direction and tilt angle at which it is installed—determines how much sunlight it captures throughout the day. More sunlight means more power, which directly affects the efficiency and cost-effectiveness of your solar power system.

What is solar orientation?

To be more specific, the orientation refers to the horizontal direction of solar panels in relation to the equator. It is the true or geographic direction that points directly towards the geographic pole, a fixed point on the Earth's globe. It differs from the magnetic direction to which a compass needle points.

How important is angle & orientation when installing solar panels?

When it comes to installing solar panels, angle and orientation are just as important as the panels themselves. The solar panel's best angle determines how much sunlight your panels capture throughout the year, directly impacting energy production and ROI.

How do I determine the best orientation for my solar panels?

To determine the best orientation for your solar panels, you must take into account key factors, which include the direction, angle, and efficiency of the panels. Direction refers to the cardinal direction that the solar panels face, whether north, south, east, or west.



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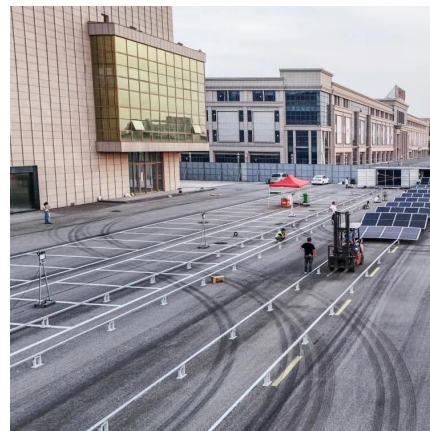


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## Solar panel orientation

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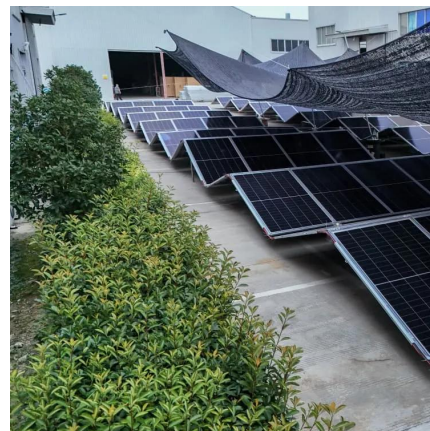


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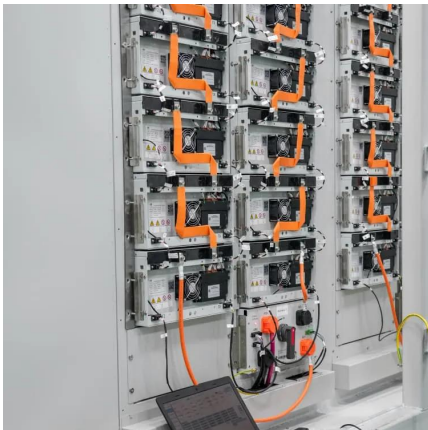
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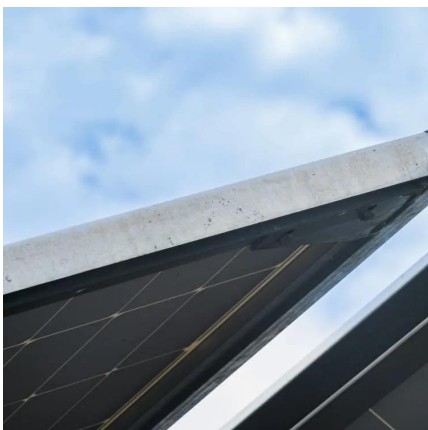


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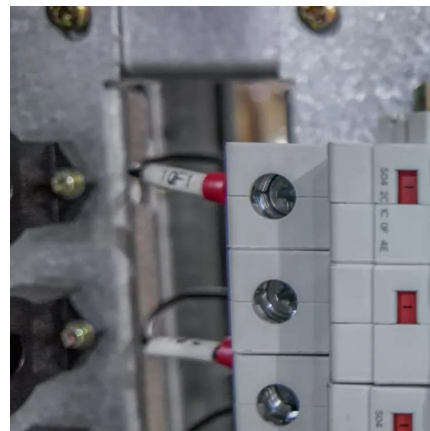


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