

# Directions for installing photovoltaic panels in the southwest region



## Overview

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The ideal direction for solar panels varies based on your geographical location. When you're installing PV panels in the Northern Hemisphere, you'll want them facing true south to get maximum peak sunlight during the day. Solar panel installation costs range from \$15,000 to \$30,000 for an average American home, with a payback period of 6 to 10 years depending on your state's incentives and sun exposure. Solar savings are calculated using roof size and shape, shaded roof areas, local weather, local electricity prices, solar costs, and estimated incentives over time. Since the Earth exists on a slight tilt, sunshine is not evenly distributed.

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### **pvgis**

Whether you're planning a DIY solar installation or hiring professionals, you'll discover the essential techniques, costs, and regulations needed to successfully install photovoltaic systems

### **Directions**

Driving directions to your destination including road conditions, live traffic updates, and reviews of local businesses along the way.



### **Viewer , USPVDB**

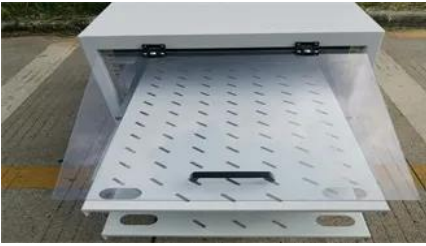
The U.S. Solar Photovoltaic Database (USPVDB) provides the locations and array boundaries of U.S. front-of-the-meter, photovoltaic facilities, direct current capacity of 1 megawatt or more, that became

### [Sun Direction Maps: Your Guide to Optimal Solar Panel Placement](#)

By using a sun direction map, you can optimize your solar panel placement to maximize efficiency and energy production throughout the year. This ensures that your solar energy system is



### **A Pro Guide to Installing Solar Panels**



## Google Maps

Find local businesses, view maps and get driving directions in Google Maps.

This guide reviews the best practices for solar panel installation, the equipment needed for solar energy systems and how to calculate solar energy installation costs.



## What is the best direction for solar panels in California?

South is the best direction for solar panels to face in California. South-facing panels perform better for homeowners because they can capture more sunlight and generate more

## Project Sunroof

Adjust your electric bill to fine-tune your savings estimate and the recommended number of solar panels for your home. Compare loan, lease, and purchase options for your solar panels based on your results.



## What Is the Best Direction for Solar Panels?

For homes in the Southern Hemisphere, it should be facing true north. As the sun rises in the east and sets in the west, installing panels facing either west or east means they'll receive less



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