

# Installation of solar panels cost by state

**BMS Wiring Diagram**





## Overview

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How much does it cost to get solar panels in different states?

The price of solar panels changes depending on where you live, but the average for installation is just under \$29,000 or \$2.75 per watt. On the high end, we talked to a solar customer in Hawaii who spent \$100,000 going.

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The cost of solar panels depends mainly on system size, equipment quality, installation complexity, location and available incentives. Financing solar panels might be a good idea if your loan payments are less than your power bill. A small residential solar panel system costs around \$14,210 before.

Average prices found through the Solar.com platform have been lower than market prices in a majority of the states according to data procured from the National Renewable Energy Laboratory. Here's a precise breakdown of the cost to go solar in different states. Solar.com's marketplace prices are.

Solar panels cost \$3.00 to \$4.50 per watt installed on average, with homeowners spending about \$3.75 per watt before factoring in available solar incentives. A 6- to 10-kW solar panel installation costs \$12,600 to \$31,500 after the 30% federal tax credit. Solar panel prices depend on the size.

According to 2025 data from EnergySage and the Solar Energy Industries Association (SEIA), the national average cost for a 7.2 kW residential solar panel system is \$18,144-\$26,424 before incentives (\$2.52-\$3.67 per watt). After the 30% Federal Solar Tax Credit, costs drop to \$12,701-\$18,497. These.

Significant Regional Variations: Solar costs vary dramatically by state, from \$2.10/W in Arizona and Texas to \$3.65/W in Tennessee. Shopping in



competitive markets like California, Florida, and Texas can save thousands compared to emerging markets. Strong Long-term Returns: Despite upfront costs.

It costs around \$30,000 to install solar panels. That's a big number, but incentives usually lower it significantly. The average U.S. solar shopper needs about 11 kilowatts (kW) of home solar to cover their electricity usage. Based on thousands of quotes in the EnergySage Marketplace, you'll pay. How much does a solar panel installation cost?

A 6- to 10-kW solar panel installation costs \$12,600 to \$31,500 after the 30% federal tax credit. Solar panel prices depend on the size, type, and quality. \*Total cost may be lower with additional state and local incentives. Get free estimates from solar panel installers near you. Residential solar panel prices vary from state to state.

How much does a commercial solar system cost?

Commercial solar installations are a great way for companies to lower energy costs. Generally, installing solar panels on businesses costs a bit less per watt because the systems are larger, but the total costs will be higher. In 2025, the average cost for commercial solar panels is just about \$2.00 per watt.

Which states have the lowest solar prices?

We generally see this trend on EnergySage (though there are some outliers), with lower \$/W pricing in warmer states and higher \$/W pricing in colder states: Arizona has the lowest average cost of solar, while Wyoming and Nebraska have some of the highest prices.

Should you install solar panels yourself?

When you install solar yourself, you don't have to pay labor costs, customer acquisition costs, or installer profit margins. However, installing solar panels is dangerous, and taking the DIY route can void your warranties and even prevent you from connecting to the grid. How much do solar panels cost if I buy used solar panels?

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How much does solar cost per watt?

For reference, the national average cost of solar panels is \$3.03 per watt.



Solar rebates help make solar more affordable by directly lowering the upfront cost of a solar installation. If you have access to solar rebates, consider yourself lucky! They are few and far between these days.

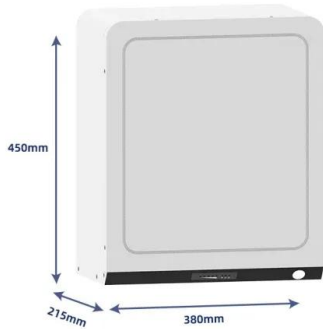
How much does a 12 kW solar panel cost?

The average cost of a 12 kW solar panel installation on EnergySage is \$20,754 after the federal tax credit. You'll probably save anywhere from \$34,000-\$120,000 over 25 years by going solar. Solar panels are just 12% of the total cost of a solar panel installation.



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### [How Much Does Solar Installation Cost? Price Guide ...](#)

What is the Average Solar Installation Cost in the US? As per the most recent comprehensive data from the Lawrence Berkeley National Laboratory, a Department of Energy Office of Science facility, the mean ...



### [Solar Panel Cost: How Expensive are Solar Panels?](#)

Factors influencing the variations in solar panel prices across states include sunlight exposure levels, state incentives, local demand,

### [How Much Do Solar Panels Cost in Washington?](#)

How Do Washington's Solar Prices Compare to the National Average? Going solar in Washington State is more expensive than it is in most other states for two reasons. First, the average cost per watt to install solar ...



### [Solar Panel Cost In 2025: It May Be Lower Than You ...](#)

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installation costs, and regulatory policies. For instance, states with higher ...



### [How Much Does It Cost to Install Solar Panels? \[2025 ...](#)

Solar panel installation costs an average of \$27,173. Most homeowners spend between \$3,500 at the low end and a maximum of \$55,000 on a complete system. Where you live, the number of panels you need, ...

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