



# How much does 5 kilowatts of solar power cost

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## How much does a 5 kW solar panel cost?

On average, a 5 kW solar panel system costs \$13,550, according to real-world quotes on the EnergySage Marketplace from 2025 data. However, your price may differ--solar costs can vary significantly from state to state. The table below should give you an idea of what you can expect to pay for a 5 kW solar panel system in your state.

### How much does a solar system cost per watt?

As of publishing, the average cost per watt is \$2.84. Most solar companies set the price according to the solar system's wattage. A solar installation's "cost per watt" is a little like the "price per square foot" when you buy a house. It helps compare the value of solar energy systems in different sizes.

### How much do solar panels cost?

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 solar. Dion in Nevada said their 10-kW system cost about \$20,000, which is about the national average price for a 7-kW system.

### How much does a 6 kW solar panel installation cost?

The average 6-kW residential solar panel installation is \$17,852 before incentives. Learn about cost factors, financing options, tax breaks and more.

Prices can be different for each state, as well. The average solar panel price per watt in the US is \$3.56, according to data from FindEnergy. That adds up to \$17,823 for a 5-kilowatt system.

A 5 kilowatt (kW) solar panel system can help power your home while reducing monthly utility costs. In 2025, a 5 kW solar panel system costs around \$13,550 before ...

As of 2026, the average cost of residential solar panels in the U.S. is between \$15,000 and \$25,000 before incentives. This typically translates ...

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Cost per kWh shows the lifetime cost of solar electricity by dividing your net system cost by total expected energy production over 25 ...

As of 2026, the average cost of residential solar panels in the U.S. is between \$15,000 and \$25,000 before incentives. This typically translates to about \$2.50 to \$3.50 per watt of installed ...

How much does 5 kilowatts of solar energy cost? The cost of a 5-kilowatt solar energy system typically ranges between 12,000 and 18,000 USD, depending on several ...

Prices can be different for each state, as well. The average solar panel price per watt in the US is \$3.56, according to data from FindEnergy.

How Much Does a 5KW Solar System Cost? For a fully installed 5 kW Solar System in 2025, typical cost lands near \$2.50-\$3.50 ...

Since your typical solar panel system size is 6.5 kW, anticipate spending around \$3,900 for the panels alone, or somewhere between \$1,950 and \$5,900. However, system sizes range from ...

How Much Does a 5KW Solar System Cost? For a fully installed 5 kW Solar System in 2025, typical cost lands near \$2.50-\$3.50 per watt, or \$12,500-\$17,500 before ...

Solar panel installation costs a national average of \$18,180 for a 6kW solar panel system for a 1,500 square ft. The price per watt for solar panels can range from \$2.50 ...

Expect the cost per watt to be between \$2 and \$3 per watt. As of publishing, the average cost per watt is \$2.84. The key thing, according to Flores: "If you're closer to \$2 per ...

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