

How much does a solar panel usually cost





Overview

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 home solar system cost?

According to studies by the U.S. Department of Energy, the all-in cost of a home solar panel system is between \$2.74 to \$3.30 per watt. ^{1,2,12} This figure includes the solar panels, the installation, and other expenses. Using these numbers, an average-sized 8-kilowatt residential solar system would cost between \$21,900 – \$26,400.

Are solar panels worth it?

The federal solar tax credit may reduce the net cost to \$20,552, and local incentives can further lower the cost. You can determine whether solar panels are worth it for your home by considering various factors, such as local incentives and policies, your electric bill, and how you finance the system.

How much does it cost to install and manage solar panels?

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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 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 Do Solar Panels Cost? - Forbes Home](#)

Solar panel costs range from \$16,600 to \$20,500 for the average 6.5 kW system, but prices can vary from as little as \$7,700 for smaller solar systems to upward of \$34,700 for larger systems.

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[How Much Do Solar Panels Cost in 2025?](#)

Based on our 2025 survey of 1,000 solar customers, the national average price for a single solar panel professionally installed is \$1,200. This means most full-size systems of between 20 and ...

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

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 ...

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[How Much Do Solar Panels Cost? \(And Are They Worth It?\)](#)

On average, solar-panel systems run around \$25,000, but the actual cost depends on many factors--where you live and your home's sun



exposure chief among them. The slope ...

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Solar Panel Cost per Square Foot: How Much Will Solar Cost For ...

How much do solar panels cost for a 1,500 square foot house? The average solar system costs around \$27,500 before incentives, and around \$19,250 after the 30% tax credit ...

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[Solar Panel Cost Guide for 2025 by State](#)

Solar Panel Cost Guide FAQs What is the average cost of solar panels in 2025? The average cost is expected to fall between \$24,000 and \$36,000. This range can vary depending on your ...

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