



Solar panel prices and specifications





Overview

To find the most up-to-date solar panel costs in 2025, we compared research from the U.S. Department of Energy and prices from 54 retailers and manufacturers for popular solar panel brands. This chart refers to the average cost range across all common solar system sizes.

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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. To find the most up-to-date solar panel costs in 2025, we compared research from the U.S. Department of Energy.

IRENA presents solar photovoltaic module prices for a number of different technologies. Here we use the average yearly price for technologies 'Thin film a-Si/u-Si or Global Price Index (from Q4 2013)'. This data is expressed in US dollars per watt, adjusted for inflation. IRENA (2025); Nemet.

How much do solar panels cost on average?

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 capacity (more on price per watt below). The total price depends.

The cost of a solar panel installation varies by location, property type, and, of course, the panels used for the installation. Premium solar panel products with high efficiencies and advantageous warranties usually cost more money upfront but can offer higher potential long-term savings. The best.

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

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.

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.



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[How Much Do Solar Panels Cost? \(Jan 2026\)](#)

Solar panels generate "free" electricity, but installing a system still costs money. A typical American household needs a 10-kilowatt (kW) system to adequately power their home, ...

Solar Panel Cost Breakdown

Find out the cost of solar panels, including installation and maintenance. Get insights into pricing and savings for switching to solar energy.



[Solar Panel Cost in 2025: Pricing and Savings ...](#)

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 ...

[Solar Panel Cost in 2025: Pricing and Savings Breakdown](#)

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 ...



[Solar Panels: Browse And Compare Products . EnergySage](#)

Shop for and compare solar panels for sale from top manufacturers with the EnergySage Buyer's Guide.



How Much Do Solar Panels Cost? (2026)

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 ...



Solar Panel Cost

How much do solar panels cost on average? 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 ...



[Solar Panel Costs in 2026 : It's Usually Worth It.](#)



Get solar power system costs based on your location, roof, power usage, and current local offers. Published: January 2026. Solar panels cost about \$21,816 on average when purchased with ...



Solar (photovoltaic) panel prices

Solar (photovoltaic) panel prices This data is expressed in US dollars per watt, adjusted for inflation.



Solar Panel Costs in 2025

Find out how much it costs to go solar, including incentives that can save you money. Wondering how much solar will cost? Solar panels are becoming more efficient, and the incentives for ...



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

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