



SolarTech Power Solutions

The current price of solar panels



Overview

As of 2025, 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).

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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, which costs \$28,241 in 2025. That price effectively drops to \$19,873 after considering the full federal solar tax credit.

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Get solar power system costs based on your location, roof, power usage, and current local offers. Published: October 2025 Solar panels cost about \$21,816 on average when purchased with cash or \$26,004 when purchased with a loan for a 7.2 kW system. While that price tag seems steep, the electricity.

EnergySage has released its 20th semiannual report, showing that residential solar panel prices hit an all-time low in 2024. Analyzing millions of transaction-level data points from homeowners on EnergySage, it highlighted a clear milestone for solar panels: The average price had dropped 30%.

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.

Solar panels cost \$1,200 per panel, depending on the type of panel, home size, energy usage, and labor. Clicking “Get Your Estimate” submits your data

to All Star Pros, which will process your data in accordance with the All Star Pros Privacy Policy. Compare Companies Average Cost Key Factors Cost. How much does a solar panel cost?

The cost per square foot (sqft) is \$17.90 and the minimum cost per panel is \$716.00. The minimum height used for calculations is 2.5 meters. Measurements are rounded up to the next higher tenth digit. For example, 2.62 will be rounded up to 2.7; 2.69 will also be rounded to 2.7.

How much do solar panels cost in 2024?

But in 2024 the average cost of installing a solar panel system is \$22,022, according to EnergySage, a solar marketplace with funding from the U.S. Department of Energy. In other words, solar panels are not cheap, which means you could be looking at a hefty bill if you need to pay off the balance all at once at closing.

How much does solar cost per watt?

Fully integrated domestic solar manufacturers like First Solar can take advantage of tax credits of up to about 16 cents per watt for a solar module manufactured in a U.S. factory. This incentive levels the playing field with Chinese producers, whose modules flirt with prices of 10 cents per watt.

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