



Solar cell system cost





Overview

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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.

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.

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 cash or \$26,004 when purchased with a loan for a 7.2 kW system. While that price tag seems steep, the electricity.

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 on your system size, location, roof type.

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. Understanding solar panel costs is a key step in.

Solar panels cost about \$30,000 on average—but often pay for themselves several times over through 25-30 years of electricity savings. Why trust EnergySage?



As subject matter experts, we provide only objective information. We design every article to provide you with deeply-researched, factual.



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[Home Solar System Costs: A 2025 Overview](#)

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



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Solar Panel Cost Breakdown



Using these numbers, an average-sized 8-kilowatt residential solar system would cost between \$21,900 - \$26,400. Regional pricing differences, the system size, local installation costs, ...

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