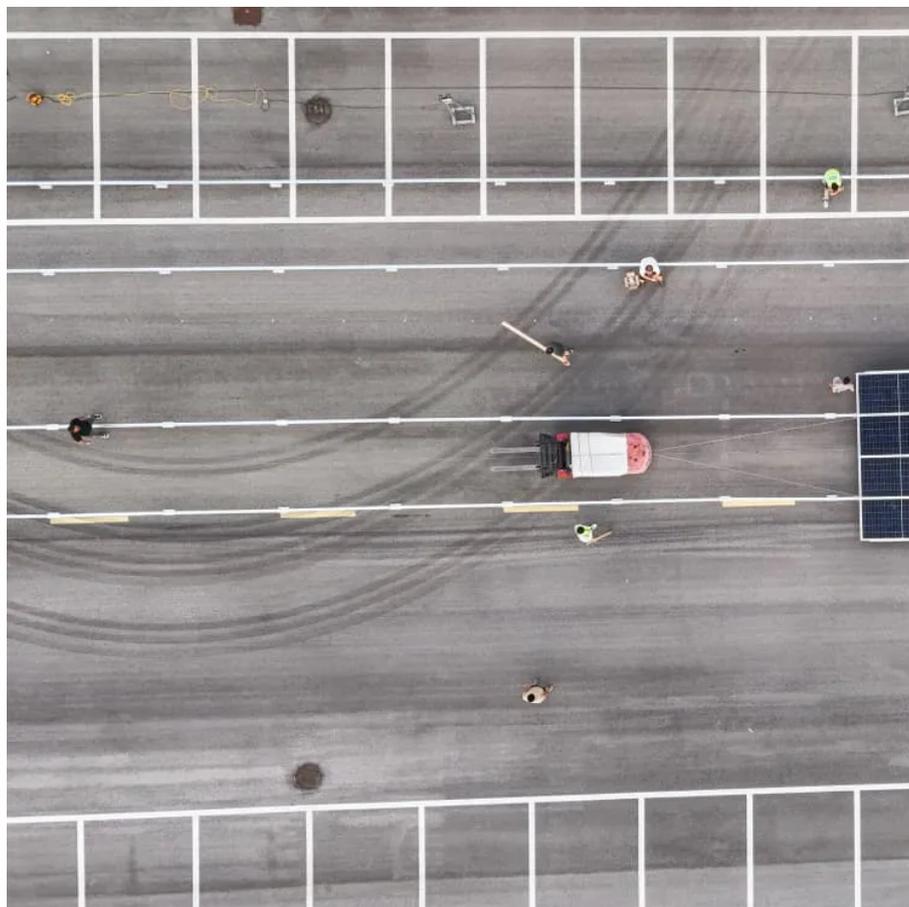




Smart PV panel prices





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.

Get solar power system costs based on your location, roof, power usage, and current local offers. Published: December 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.

How much do solar panels cost on average?

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). The total price depends.

The cost of a smart solar panel varies broadly based on multiple factors, including brand, technology, efficiency, and local installation charges, averaging between \$200 to \$800 per panel, 2. Additional costs such as inverter systems and installation can raise the total to roughly \$15,000 to.

Solar panel installation costs a national average of \$18,180 for a 6kW solar panel system for a 1,500 square ft. home. The price per watt for solar panels can range from \$2.50 to \$3.50 and largely depends on the home's geographical area. Residential solar panels are usually sized between 3 kW and 8.



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.



Smart PV panel prices



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

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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Typically, installation costs can run between \$0.50 to \$3.00 per watt depending on the complexity of the installation and the experience level of the installers. It's vital for potential ...

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This guide will brief you on what is the actual photovoltaic panels price in 2025 for households or business uses. So, what are we paying for when we invest in solar?

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Uses local climate data, your roof measurements, current local electric rates and current solar system cost to generate an accurate solar cost and savings estimate, customized for your home.



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