PDEOZE PowerContainer

Price of a single solar panel

Overview

Based on our 2025 survey of 1,000 solar customers, the national average price for a single solar panel professionally installed is $1,200.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?

In 2025, we surveyed 1,000 home solar customers across the U.S. to understand their experience shopping for and installing solar panel systems. Most homeowners said they paid around $16,129 for a solar panel system, with an average of 14 solar panels installed.

Are solar panels expensive?

No, solar panels in the USA are not considered expensive. On average, a 6.6 kW solar panel system typically costs around $16,000, not considering government incentives and rebates. Solar panel costs in the US usually range from $4,500 to $36,000, or $1.00-$3.60 per watt (W).

How are solar panel costs calculated?

Upfront solar panel costs are typically calculated on a cost-per-watt basis, providing a standardized method to compare prices across different systems and configurations. It's essential to differentiate between quotations with and without installation fees, as this significantly affects the overall cost.

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 roof solar panel system cost?

The cost of expanding a roof solar panel system depends largely on the number of solar panels. Typically, homeowners need to pay around $1000 for the installation (including plans and permits) and then around $500-$700 per new panel.

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