

Solar panel price per watt chart





Overview

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

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Price per watt (\$/W) allows for an apples-to-apples comparison of different solar quotes that may vary in total wattage, solar panel brands, etc. Pro tip: It can be helpful to know your solar price per watt before and after claiming the 30% tax credit.

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.

HomeAdvisor's Solar Panel Price Guide gives the average home solar system and panel prices. Explore solar panel pricing per watt or square foot.

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. How much does a solar panel cost?

Today's premium monocrystalline solar panels typically cost between 30 and 50 cents per Watt, putting the price of a single 400-watt solar panel between \$120 to \$200, depending on how you buy it. Less efficient polycrystalline panels are typically cheaper at \$0.25 per Watt. The cost of a solar panel also depends on how you buy it.

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 commercial solar system cost?

Commercial solar installations are a great way for companies to lower energy costs. Generally, installing solar panels on businesses costs a bit less per watt because the systems are larger, but the total costs will be higher. In 2025, the average cost for commercial solar panels is just about \$2.00 per watt.

How much does a 6 kW solar system cost?

You'll pay \$4,200 to \$6,000 to set up a 6 kW system. Concentrated photovoltaic (CPV) panels are \$0.80 to \$1.10 per watt. While not as well-known as other types of panels, CPV panels are highly efficient and may grow in popularity. A 6 kW solar system would cost \$4,800 to \$6,600.

How do you calculate the cost of a solar system?

Solar panel costs are usually measured in the cost per watt of solar installed. However, solar system sizes are measured in kilowatts (kW). To calculate the total price of installing a home solar system, you'll need the system size to be in watts. To convert kilowatts to watts, all you need to do is multiply the system size in kW by 1,000.

How much do Solar shingles cost?

Solar panels are the most popular choice for solar energy, but they are not the only option. If your budget allows, solar shingles cost \$4 to \$14 per watt and look like traditional roof shingles, blending in better with the surroundings and offering a sleeker alternative to standard solar panels. Are solar panels worth it?



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[Solar Panel Prices Over Time , Cladco](#)



Price per watt is a useful unit of measurement when comparing the cost of solar energy. It can be used to compare the installed price of solar panel systems and to compare the price of component solar panel modules. In ...

History of solar energy prices

How did solar become so cheap? In 1975, the first solar panels cost about \$115.3 per watt. By 2010, this price was already \$2.15 per watt, and by 2021 it will be only \$0.27 per watt. We are witnessing a significant reduction in ...



[Cost of Solar Panels -- 10 Charts Tell You Everything](#)

The average cost of solar panels has gone from \$76.67/watt in 1977 to just \$0.698/watt today (the second figure is according to PVinsights, and is even lower than the 2013 projected price in the chart below).



[Buying Guide for Solar Panel Prices in South Africa ...](#)

Solar Panel Prices have increased drastically in recent years and it is has become more affordable for South Africans. As the world shifts



towards more sustainable energy sources, solar panels have emerged as a ...



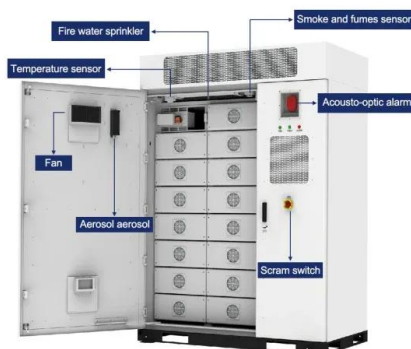
Solar Panel Cost in 2025: How to Estimate The Cost of Solar , Solar...

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Understanding The Cost Per Watt Of Solar Panels

The cost per watt of solar panels refers to the price of generating one watt of electricity using solar panels. It can vary depending on several factors, including the type and quality of the solar panels, installation costs, location, incentives, ...

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Photovoltaic Module Prices 2025: Updated Data

Notes on reading the price index: Only the prices of tax-free photovoltaic modules are shown. The values given reflect average prices offered at retail and on the European spot market.
December 2024 Solar Panel Price ...



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