

# **How much does solar power cost**





## Overview

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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. NOTE: Under the “One Big Beautiful Bill Act” signed in July 2025, the federal solar.

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.

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

It costs around \$30,000 to install solar panels. That's a big number, but incentives usually lower it significantly. The average U.S. solar shopper needs about 11 kilowatts (kW) of home solar to cover their electricity usage. Based on thousands of quotes in the EnergySage Marketplace, you'll pay.

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.



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. 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 it cost to clean solar panels?

Solar panels require very little upkeep. If you’re able to clean the solar panels yourself, the only maintenance cost will be the water used to hose them down. If you hire a professional to clean your solar panels, it will cost around \$100 to \$350, on average.

How much does a 12 kW solar panel cost?

The average cost of a 12 kW solar panel installation on EnergySage is \$20,754 after the federal tax credit. You'll probably save anywhere from \$34,000-\$120,000 over 25 years by going solar. Solar panels are just 12% of the total cost of a solar panel installation.

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 solar cost per watt?

For reference, the national average cost of solar panels is \$3.03 per watt. Solar rebates help make solar more affordable by directly lowering the upfront cost of a solar installation. If you have access to solar rebates, consider yourself lucky! They are few and far between these days.

How much does a home solar system cost?

According to the SEIA, home solar systems have an average price of \$3.24 per



watt in the U.S. before incentives. Comparatively, our team found an average cost per watt of \$3.10 based on our survey responses. Note that system pricing can vary based on the solar panel and equipment brand, installer, location and more.



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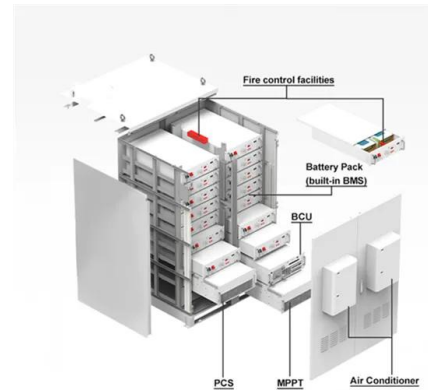


### [How Much Do Solar Panels Cost? , Sunrun](#)

How much do solar panels cost in 2025? Updated 3/6/2025 Over the last ten years, the cost of installing solar panels has decreased by over 40% 1, fueling growth across new markets and deploying thousands of systems across the ...

### [How Do I Estimate Solar Installation Costs? , Solar](#)

Most solar quotes feature three numbers: The contract price of the system, the value of incentives, and the net cost of the system after incentives. What solar quotes don't typically feature is an itemized cost ...



### **Solar Panel Cost Calculator**

See how much solar can reduce your electricity costs. Why use a solar cost calculator? We find that understanding the average cost of solar panels empowers homeowners to make better decisions when they get serious about ...

### [Yes, You Can Afford to Go Solar: The Cost of Solar ...](#)

Efficiency improvements and declining costs have encouraged homeowners to install larger systems. While most systems range from 5 kW to 11 kW, today's average residential solar system is 7.2 kW. Considering this size, the cost of ...



### How Much Do Solar Panels Cost? (2025)

Solar panels cost \$3.00 to \$4.50 per watt installed on average, with homeowners spending about \$3.75 per watt before factoring in available solar incentives. A 6- to 10-kW solar panel installation costs \$12,600 to ...



### [Solar Panel Cost In 2025: It May Be Lower Than You ...](#)

We often reference the cost-per-watt (\$/W) of solar to compare the value of a quote against the national average. According to the most recent data from the EnergySage Marketplace, the average cost-per-watt across the ...



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