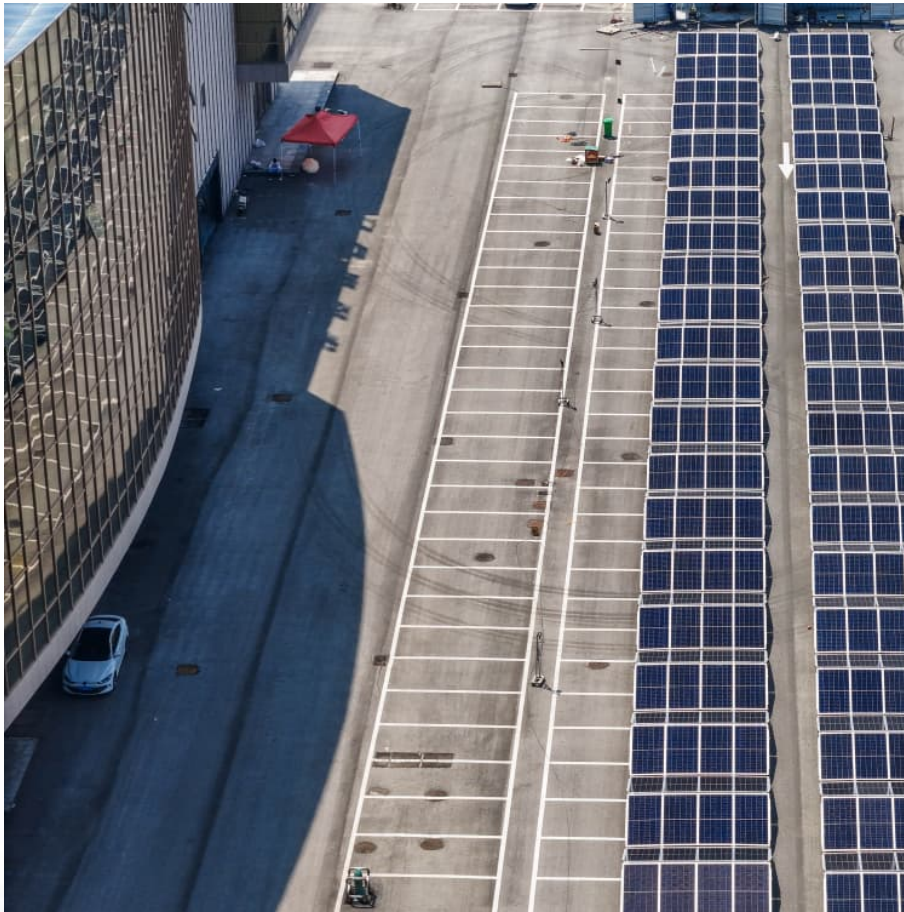


Average cost of solar kwh denver co





Overview

As of August 2025, the average solar panel system costs \$2.84/W including installation in Denver, CO. For a 5 kW installation, this comes out to about \$14,188 before incentives, though prices range from \$12,060 to \$16,316.

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You'll pay an average of \$14,188 to install a 5 kilowatt solar panel system in Denver, CO, before incentives. Act now: The federal investment tax credit (ITC) lowers the total cost of installing solar by 30%, but only until December 31, 2025 —after that, it's gone. Why trust EnergySage?

How much do.

Denver homeowners are turning to solar installation as electricity costs climb, with Colorado prices jumping 22% from 2020 to 2024. The Mile High City's abundant sunshine makes solar panel installation a smart choice for reducing energy bills. Ready to explore solar panels for your home?

Denver homeowners are paying about \$2.84 per watt for solar panel installations in 2025. That means a typical 5 kW system costs \$14,200 before incentives —and just \$9,950 after the 30% federal tax credit. With over 300 sunny days each year, Denver is among the best U.S. cities for solar savings.

Average solar panel installation costs range from \$9,920 to \$28,342 in Colorado. Based on feedback from hundreds of solar customers in Colorado, the general consensus is that solar panel investments pay off over time. Assuming an upfront purchase, it takes about 11.05 years to break even (when your.

You'll spend an average of \$12,565 on a 5 kW system in Denver, Colorado, after tax incentives. For Denver, you can use \$3.59 per watt to determine the



price of a larger system (system size x price per watt x 0.7 to account for tax incentives). High Power Bills?

How much do solar panels cost in.

Let's take a look at the average cost of solar panels in Denver. The national average cost of solar panels is \$2.66 per watt, but in Denver it's 4 per watt. The average Denver homeowner needs a 5.2-kilowatt system, which would cost about \$14,418 with the federal tax credit, or \$20,618 before the 0. How much do solar panels cost in Denver, CO?

The average cost of solar panels in Denver is around \$13,450 for a 5-kW system and \$26,900 for a 10-kW system before the ITC. Keep in mind that the real cost will depend on factors like the solar panel model, system size, and energy consumption.

How much does a 5 kW solar system cost in Denver?

While a 5 kW system will only cost you \$15,142 in Denver, CO, doubling the system size effectively doubles the price, so you'll pay about twice that for a 10 kW system. The higher the price tag, though, the more you'll get back as a credit towards your federal tax bill. Are solar panels worth it in Denver, CO?

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Can you get solar panels for free in Denver?

Solar panels cannot be got for free in Denver. However, you may still be able to acquire them at a lower cost. You can lease solar panels for a low upfront cost or, if you'd rather own your solar panels, you can finance them with a solar loan.

Do solar panels save money in Colorado?

Colorado homeowners with solar panels can typically save more than that in total avoided energy costs over the lifetime of a system. The ConsumerAffairs Research Team has conducted extensive research to compare the costs of going solar in Colorado and other states. Solar costs vs. savings: Colorado and nearby states.

How much does solar cost in Colorado?

The levelized cost of power from a typical solar system installed on a home in



Colorado over 25 years is 3.8 cents/kWh. The average cost of utility power over 25 years (if you don't get solar) is 18.0 cents/kWh. This shows that solar is a far cheaper way to power a home in Colorado over the long term.

Do solar panels increase property value in Denver?

Installing solar panels can increase the property value in Denver by about 4%. According to research done by Zillow, the average home value in Denver is currently \$364,129. With solar panels, you can look forward to a value of about \$14,929 more than houses without a solar system.



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[Denver, CO Solar: 2025 Costs, Incentives & Savings](#)

Solar installation costs in Denver range from \$10,459 to \$17,419 after federal tax credits. A typical 6.4 kW system for medium-sized homes costs approximately \$13,382 after the 30% federal ...

Colorado Solar Panel Installations: 2025 Pricing & Savings

Get all the information you need about solar panels in Colorado, like installation cost estimates, top companies, incentives, and more.



[Solar Panels Cost 2.5k-12k in Denver, CO , June, 2025](#)

The average electricity rate in Denver, CO in June 2025 is 12.68¢ per kWh. In Denver, a typical electricity user's electricity requirements should be fully accounted for by a ...

[How Much Do Solar Panels Cost in Denver](#)

Eligible customers installing solar panel systems designed to produce up to 120 percent of their average annual consumption can earn incentives ranging from \$0.005 to \$0.0375 per kWh,



depending on their ...



[How Much Do Solar Panels Cost in Denver](#)

Eligible customers installing solar panel systems designed to produce up to 120 percent of their average annual consumption can earn incentives ranging from \$0.005 to ...

[Colorado Solar Panels Cost: 2025 Price & Savings Data](#)

The cost of solar panels in Colorado is higher than the average price of residential solar across the United States, which is around \$3.03 per watt. However, this is because the average solar ...



Denver, Colorado Solar Panel Cost: Savings and Payback ...

Installing a 5 kW solar panel system on your Denver home can cost about \$12,565 after tax incentives. Solar panel systems are measured by kW production, and the ...



[Solar Panel Cost Denver: 2025 Colorado Pricing Guide](#)

A typical 2,000 sq. ft. Denver home will need a 6-8 kW solar system, which costs between \$17,000 and \$22,700 before incentives. After the 30% federal tax credit, that's about ...



Colorado Solar Panel Costs: Is It Worth It (2025) , ConsumerAffairs

Residential solar panel installations are usually \$10,000 to \$30,000 in Colorado. Learn how long-term savings outweigh the upfront costs for many.

[Colorado Solar Panel Costs: Is It Worth It \(2025\)](#)

Residential solar panel installations are usually \$10,000 to \$30,000 in Colorado. Learn how long-term savings outweigh the upfront costs for many.



[Solar Panel Cost Guide for Denver, CO \(2025\)](#)

The average cost of solar panels in Denver is about \$19,900 for a 5-kW system and \$39,800 for a 10-kW system before the ITC, but the actual cost will depend on stuff such ...



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