

Solar panel installation cost in tennessee





Overview

As of August 2025, the average solar panel system costs \$3.25/W including installation in Tennessee. For a 5 kW installation, this comes out to about \$16,244 before incentives, though prices range from \$13,807 to \$18,681.

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Average solar panel installation costs range from \$11,753 to \$33,579 in Tennessee. Your total costs depend on the size of your system, what incentives you're eligible for, how you pay and other factors. Based on feedback from dozens of solar customers in Tennessee, solar panel investments tend to.

You'll pay an average of \$16,244 to install a 5 kilowatt solar panel system in Tennessee, 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?

As subject.

As of 2025, the average cost of solar panels in Tennessee is \$2.92 per watt, making a typical 7.2 kilowatt (kW) solar system \$14,717 after claiming the 30% federal solar tax credit now available. This is lower than the average price of residential solar power systems across the United States, which.

The average cost of solar panels in Tennessee is around \$3.21 per watt. Most homeowners in the state need a 12 kilowatt (kW) system, which brings the typical solar panel installation cost to \$38,520 before any incentives or \$26,964 after the federal investment tax credit (ITC). These are just.

The average price for a home solar panel system in Tennessee is \$17,820 for a 6kW system or about \$2.97 per watt. Systems will vary depending on the solar installation company the types of solar panels you choose and the size of your system. When shopping for solar panels you should consider. How much



do solar panels cost in Tennessee?

As of January 2025, the average solar panel system costs \$3.28/W including installation in Tennessee. For a 5 kW installation, this comes out to about \$16,388 before incentives, though prices range from \$13,930 to \$18,846. After the federal tax credit, the average price drops by 30%. You'll probably pay even less than what we show here.

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

While a 5 kW system will only cost you \$16,388 in Tennessee, 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 Tennessee?

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Do solar panels pay off in Tennessee?

Based on feedback from dozens of solar customers in Tennessee, solar panel investments tend to pay off over time. Assuming an upfront purchase, it takes about 12.5 years to break even (when your savings with solar panels make up for the cost). The average solar panel installation costs \$3.26 per watt in Tennessee.

Are solar panels a good investment in Tennessee?

In Tennessee, solar panels are a financially intelligent investment, with the average solar customer saving over \$25,000 on energy bills after the panels pay for themselves. Most customers still wonder about the total cost of solar panel systems.

Is Solar worth it in Tennessee?

Several residents have told us that solar is worth it in Tennessee. For most, it's about saving on electric bills. Over 25 years, Tennessee homeowners with solar panels avoid \$51,774 in utility costs on average. For others, it's about gaining energy independence. "Whenever we have storms, it's nice to have a backup," David in Knoxville told us.

How much does a solar system cost?

This is lower than the average price of residential solar power systems across



the United States, which is currently \$3.03 per watt. The size of a solar panel system also plays a role in how much the installation will cost. Larger solar installations typically have a lower cost per watt because the panels can be purchased at a 'bulk price.'



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Tennessee Solar Companies: Tennessee Solar Panel Cost & Installation



On average, solar panels in Tennessee cost \$#.## per watt for an average installation cost of \$13,000 for a 5kW system. Depending on the solar installer you choose, the total solar panel ...

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

With professional installation, a typical 8-kilowatt residential solar panel system in Tennessee costs \$26,863. That price drops to \$18,804 after the full federal solar investment ...



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