

How much does it cost to install a set of solar panels





Overview

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. How much does solar panel installation cost?

On the high end, solar panel installation can cost over \$40,000. On the low end, it only costs a few thousand. It all depends. Additionally, none of these prices account for incentives like the federal investment tax credit (ITC), which can make your solar system up to 30% more affordable.

How much does a home solar system cost?

According to studies by the U.S. Department of Energy, the all-in cost of a home solar panel system is between \$2.74 to \$3.30 per watt. 1,2,12 This figure includes the solar panels, the installation, and other expenses. Using these numbers, an average-sized 8-kilowatt residential solar system would cost between \$21,900 – \$26,400.

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 new solar system cost?

The amount that you'll pay for a new solar power installation varies based on the size of the system, which depends on the desired goal. Although the national average spent on solar power is around \$18,000 before incentives and rebates, and most pay between \$15,000 and \$25,000 for a 6kW system.

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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How long does it take to install solar panels?

Installing solar panels takes 1 to 3 days on average for the actual installation, depending on the system size, complexity, and weather. However, the entire process typically takes 1 to 3 months. This includes research, consultations, site evaluations, system design, permit applications, installation, and inspections.



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How much does it cost to install a complete set of solar panels?

To install a complete set of solar panels, the cost typically varies based on several factors including 1. system size, 2. equipment quality, 3. installation complexity, 4. location, 5. ...

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

Take control of your energy costs with solar power. Average solar panel installation costs range from \$8,005 to \$22,871 in California. How much you pay depends on the size of ...

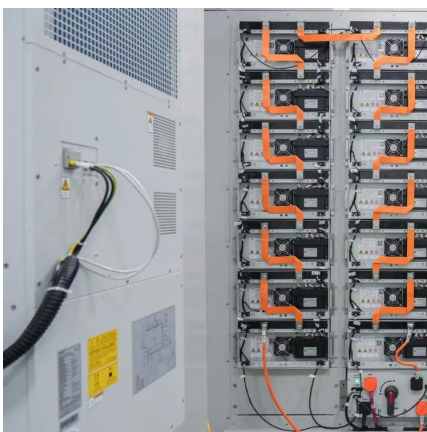
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2025 Solar Panel Costs: Ultimate Guide to Pricing and Savings

As of 2025, the average cost of residential solar panels in the U.S. is between \$15,000 and \$25,000 before incentives. This typically translates to about \$2.50 to \$3.50 per ...

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[How Much Does It Cost To Install Solar Panels On An RV?](#)

As a ballpark figure, a 400 Watt Hour state of the art, the solar power system with components and install will cost you around \$3,500 to \$4,000.



This is roughly enough to run ...

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[How Much Do Solar Panels Cost? - Forbes Home](#)

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.

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