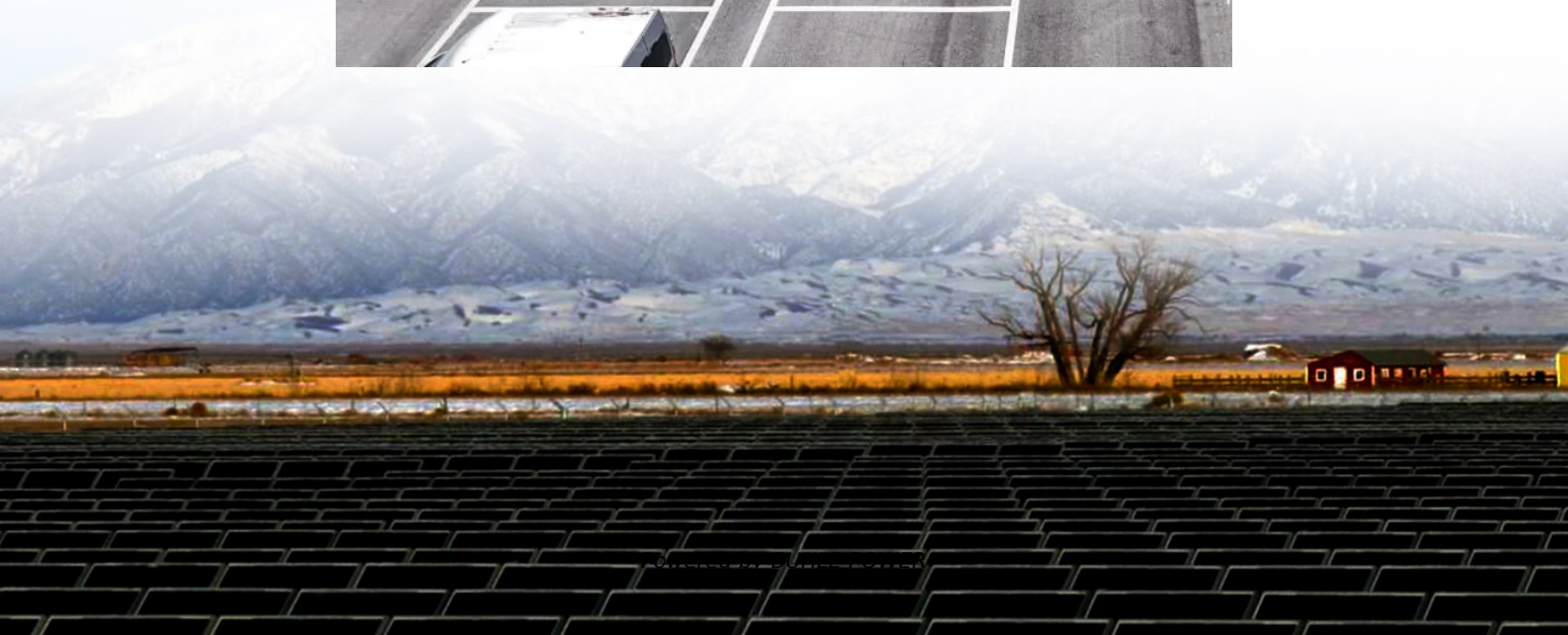


# **How much does solar panels cost for household electricity**





## Overview

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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 solar energy cost?

Without incentives, the typical costs go from approximately \$19,200–\$22,000. Your actual solar energy needs will vary based on several factors, including your home's energy efficiency, number of occupants, appliance usage habits, and the local climate.

Is home solar more affordable than paying for utility electricity?

Although home solar is already more affordable than paying for utility electricity, there are a few ways to reduce the cost of your system and maximize your energy cost savings. First, there are solar incentives offered by federal, state, and local governments, in addition to utility providers.

How much do commercial solar panels cost?

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. There is a lot to consider when figuring out how much you'll spend on a solar installation.



## How much does solar panels cost for household electricity

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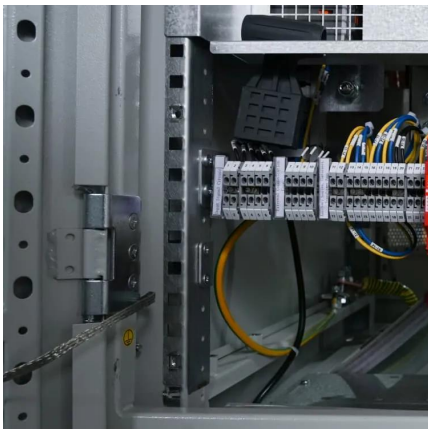
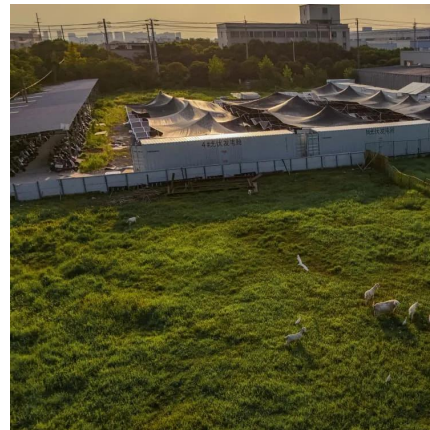


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The average cost of a home solar panel system is about \$30,000. Tax credits and incentives may reduce net cost of solar panels to about \$21,000.



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