



# Solar panels for 1300 sq ft house

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How much do solar panels cost for a 1,500 square foot house? According to 2022 averages, solar panels cost around \$27,500 before incentives, and around \$19,250 after the 30% tax credit for a 1,500 square foot house. That boils down to a rate of around \$12.80 per square foot of living space.

You'll want to look for solar panels with a higher output to cover your basic electricity needs. 250 and 300-watt solar panels are useful in smaller-scale solar projects. Popular solar panel sizes are between 400 and 430 watts.

For a 1,300-square-foot house, the average cost of solar panel installation ranges from \$16,000 to \$24,000 depending on the system size, solar panel efficiency, and location. Many factors impact overall costs like roof type, electric usage, electricity rates, and available solar incentives and rebates.

According to our solar experts, solar panels cost about \$21,816 to install in the United States, on average, based on a 7.2 kilowatt (kW) solar system. While the price tag seems steep, incentives and payment options help make the cost of going solar easier to manage.

Installing solar panels on your 1,300-square-foot house is an excellent way to reduce your energy bills and carbon footprint. However, the upfront cost of purchasing and installing solar panels gives many homeowners pause. You may wonder how much exactly you can expect to pay to outfit a 1,300-square-foot house with solar power.

Curious to learn more? Read on and explore the key factors that influence solar panel system costs for a home of this size. With a solid understanding of the costs and returns, you can decide if solar power is the right home upgrade for you this year. Let's get started!

The first step in sizing your system is calculating your home's annual electric usage, measured in kWh (kilowatt-hours). The average home uses about 10,812 kWh per year. But for a 1,300-square-foot house, a good rule of thumb is to estimate 12 kWh of electricity usage per square foot annually.

Your specific usage may be higher or lower based on your appliances, lighting, home age, number of residents, thermostat settings, and other factors influencing electric consumption. Checking past electric bills for your annual kWh usage provides the most accurate number.

Once you know your home's annual electric usage, the next step is figuring out the solar panel system size needed to offset that usage. A system's size is measured in kilowatts (kW).

So for a typical 1,300-square-foot home, plan for a solar panel system size of around 12 kW. Keep in mind



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this is just an estimate; a professional solar installer will assess your specific electricity usage and roof space and design a customized system to meet your household's needs.

The upfront cost to purchase equipment and install a solar panel system makes up the bulk of your total solar investment. For a 12 kW system, typical equipment and installation costs fall between \$16,000 and \$24,000. Here are the key cost components:

Roof type, panel technology, system size, location, and installer expertise significantly impact total installation costs. Getting multiple quotes is the best way to estimate costs for your specific home.

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