

Cost of a solar system for a 2000 sq ft house





Overview

How much do solar panels cost for a 2,000 square foot house?

A solar system for a 2,000 square foot house costs, on average, \$29,200 before incentives and around \$20,500 after the 30% tax credit. That's a rate of \$10.32 per square foot of living space. How much does a 1500 square foot Solar System cost?

The average solar system costs around \$27,500 before incentives, and around \$19,250 after the 30% tax credit for a 1,500 square foot house, according to a data analysis by Solar.com. That boils down to a rate of around \$12.80 per square foot of living space. Related reading: [How Many Solar Panels Do I Need for a 1,500 Square Foot Home?](#)

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How much do solar panels cost?

Based on national averages, solar panels cost just over \$20,000 for a house with 2,000 square feet of living space. The gross cost is closer to \$29,000, but claiming the federal solar tax credit worth 30% of the project cost brings the net cost down to around \$20,000.

How much does a home solar system cost?

Home solar systems typically range from \$6 to \$12 per square foot of living space. The actual cost may vary based on the size and electricity consumption. These estimates are assuming the homeowner claims the 30% federal tax credit * for the solar system.

What is the cost of a 2000 kWh solar system?

The cost for a 2000 kWh solar system, including installation and a 26% tax rebate, is \$26,000 (\$0.0362/kWh). This figure is four times lower than the US electricity price of \$0.15/kWh.



How many solar panels do I Need?

Today, 400W is by far the most popular rating and considered the industry standard. The number of 400W panels needed for a 2,000 square foot home ranges from 14 to 24 depending on the size of the system, as shown in the table below. Related reading: [What Is the Cost of Solar for a 3 Bedroom House?](#)

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Is one solar panel enough to power a house?

No, one solar panel is not enough to power a house. The average solar system has between 10 and 20 solar panels depending on the sun exposure, electricity consumption, and the power rating of each panel.



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[Solar Panel Cost Per Sq Foot \(1000 to 3000 sq. ft\)](#)

Solar panels are a big investment, so it's important to calculate the cost. Each home has a different demand for power and electricity consumption, so we need to work out the cost per square foot. Applying the ...

[Cost of solar panels for a 2000 square foot house](#)

Key Takeaways To calculate the cost of solar panels for a 2,000-square-foot house, start by considering your monthly energy consumption and peak sun hours in your area. An average home of this size in the U.S. ...



[How Many Solar Panels Do I Need for a 1,500 Square ...](#)

How much do solar panels cost for a 1,500 square foot house? While it's nice to know how many panels you need, what people really want to know is the actual solar panel cost. The cost of solar projects are typically ...

[How much is a solar system for a 2000 sq ft house](#)

Solar system cost: The cost of a solar system for a 2000 sq ft house can range from \$15,000 to \$40,000 before tax credits and incentives.



Factors affecting cost: The final cost of the solar system depends on factors ...



[Solar Panel Costs in 2025 : It's Usually Worth It](#)

This means a solar system costs about \$13,075 for a 2,000-square-foot house, including the solar tax credit. Note: Using square footage to estimate home solar system costs only offers a rough guide and will not provide a truly accurate price.

[How Many Solar Panels to Run a 2000 Sq Ft House?](#)

Considering the size of your 2000 sq ft house, the total system pricing for solar panel installation costs will play a crucial role in your budgeting process. The total system components include not only the solar panels ...



[Solar Panel Cost in 2025: How to Estimate The Cost ...](#)

For example, the post-tax credit cost of solar panels for a 2,500-square-foot home is around \$20,000 for a rate of \$7.96 per square foot. But how much do solar panels cost for a 1,500-square-foot home?



[Solar System for a 2000 Sq. Ft. House: How Much is it?](#)

Size of the Solar System How much is a solar system for a 2000-square-foot house? The size of the solar system, measured in kilowatts (kW), is the primary determining factor for system cost. The size needed ...



[Solar Panel Cost in 2025: Pricing and Savings ...](#)

On average, the cost of a solar system for a 2,000-square-foot house is around \$13,075, which includes a 30% reduction from the solar tax credit. Without incentives, the typical costs go from approximately ...

The Cost of Installing a Solar System for a 2000 Sq Ft ...

The upfront cost of installing a solar system with battery storage for a 2000 sq ft house can seem substantial, but the long-term benefits and savings on electricity bills can make it a worthwhile investment. Additionally, the availability of ...



[How Much Does It Cost to Install Solar Panels for a ...](#)

A 2000 sq ft home generally has enough roof space to accommodate a typical residential solar system. However, shading from trees or neighboring buildings can affect the system's output. Local Climate and ...



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