



# How to calculate cost per kwh solar

What is a solar cost calculator?

Our solar cost calculator is a great tool for getting a sense of how much solar costs and how much you can save by going solar. However, every calculator is limited by its assumptions and its results should be taken with a grain of salt.

How much energy does a solar system cost?

Before solar, this represents the average utility rate over the next 20 years, assuming annual rate hikes between 3-5% (based on location). After solar, this is essentially your lifetime energy cost divided by the total production of your system. Here's how that looks for the example system above:  $\$45,102 / 242,483 \text{ kWh} = 18.6 \text{ kWh}$

How much do solar panels cost?

Solar panel cost payback calculator. Solar systems can cost anywhere from \$5,000 to \$20,000. This solar payback calculator includes the cost of solar panels, any potential rebates, and annual electricity savings. Based on this, we can determine how quickly the solar panels pay for themselves.

What is a solar panel calculator?

A Solar Panel Calculator is an online tool that estimates: It uses your location, electricity usage, and roof size/orientation to calculate realistic and localized estimates. Note: Values vary by location, incentives, and energy prices. Why Use a Solar Panel Calculator? How many solar panels do I need? Who Can Benefit From This Tool?

Where can I find a free solar cost calculator?

Solar.com offers a free solar cost calculator that uses Google's Project Sunroof and real-time utility rates to estimate how much you can save by going solar. Using the calculator is easy. Click the link above to open it in a new tab, and we'll talk you through how to use it!

How does the solar energy calculator work?

Featuring ROI and battery storage insights. Solar Irradiance: Your selected location's average annual solar radiation (kWh/m<sup>2</sup>/day) reflects sunlight available for power generation. Roof & Panel Specs: The calculator multiplies usable roof area by panel efficiency, then corrects for shading to compute the maximum energy your panels could deliver.



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