



Solar panels for your house

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Solar panels and their accessories unlock the boundless energy from sunshine and transform it into useful energy at home. Making a move to equip your home with solar energy solutions has never been easier. Solar tax credits and rebates designed to reward solar power adopters are readily available as the renewable energy market continues to explode. It's no wonder that so many are choosing home solar panels to power their households.

Along with their rise in popularity, the number of solar products available to power your home is also exploding, posing a challenge to homeowners trying to choose the perfect ones for their needs. One part of the equation is finding the highest quality solar panels with the efficiency, power output, ability to perform in different climates and warranty that aligns with your needs.

From there, you can opt to hire one of the best solar companies for assistance. For product selection, we evaluated the top solar panel providers and compiled this list of the best solar panels for your home to help you make an informed decision.

To determine the best solar panels ranking, the Forbes Home editorial team analyzed 12 top panels across 94 different attributes broken into the following categories represented in the below pie chart:

Most solar customers get their panels through an installer (see our article on the Best Solar Companies here), which tend to work with a variety of solar products like panels, shingles and solar systems. We understand that doing the research can feel overwhelming, so we've done some of the homework here for you.

It's a good time to buy solar panels. Average electricity prices in the U.S. have increased by 2% between 2022 and 2023 (according to the U.S. Energy Information Administration), while the cost for a residential solar PV system has decreased from \$3.18 per watt in 2022 to \$2.68 per watt in 2023 (the latest year the data was available), according to the National Renewable Energy Laboratory.

"The investment offers significant long-term value," says Remi Akinwonmi, Forbes Home Advisory Board Member and solar expert. "Most systems pay for themselves within six to 10 years."

But not all panels are the same type or have the same efficiency rating. We've examined 171 individual solar panels and 26 top solar companies and analyzed 94 unique traits. Based on our analysis, here are the best solar panels to consider for your home.



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The Forbes Home team is committed to bringing you independent, unbiased information about solar panels and more. We use data and expert advice to inform all of our content. Plus, our advisory board of licensed professionals, such as solar expert Remi Akinwonmi, fact-checks and reviews our content for accuracy and relevancy. You can read more about our editorial guidelines or see how Forbes rates solar panels in our detailed methodology.

We compared the ratings and costs of our top solar companies after completing our research and analysis across criteria including average panel price, efficiency, warranties, years in business and customer reviews and experiences.

We awarded Panasonic the top spot for best overall on our list. Panasonic's Evervolt lineup of solar panels isn't the most powerful or even most efficient--with the EVERVOLT(R) H Series Solar Module, 410/400W model topping out at 410 watts with 22.2% efficiency ratings.

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