

Top 10 solar panel brands of 2023

SolarReviews is proud to release its 2023 Solar Panel Manufacturer Rankings. The scoring system was formulated after extensive discussion with industry leaders and assesses solar panel brands on the quality of their products and the company's financial bankability. This scoring methodology provides a transparent, unbiased, and comprehensive ranking of solar panel brands that consumers and industry professionals can trust.

Top solar brands

1. Qcells

2. CanadianSolar

3. maxeon

4. REC

5. Jinko Solar

6. JA SOLAR

7. SILFAB SOLAR

8. MISSION SOLAR ENERGY

9. HYUNDAI ENERGY SOLUTIONS

10. Phono Solar

"2022 was a unique year for solar panels, where supply chain issues hindered the availability of panels, and potential forced labor in overseas manufacturing facilities halted some shipments altogether. But, at the same time, the passing of the Inflation Reduction Act is making solar more accessible. Due to all of these factors, SolarReviews wanted to provide a list of great manufacturers that consumers and solar installers can trust."

Andy Sendy

Founder and President of SolarReviews.com

Ranking factors

Below is a list of the criteria SolarReviews used to judge solar panel companies and the weights assigned to each:



Value (30%): Solar panels are a substantial investment, and their high upfront costs can deter homeowners from going solar. As such, SolarReviews understands that solar panel cost is a significant factor to consider when rating solar panels.



Module quality (20%): Module quality was determined by assessing the performance specifications of each company's top residential solar panel, focusing on efficiency ratings and temperature coefficients. Manufacturers listed as 2022 PVEL Top Performers with higher efficiency panels that perform better in various climatic conditions earn higher scores.



Company financial performance (20%): Assessing the financial health of the solar panel manufacturer serves as the best possible indicator of whether the company will be around to honor warranty claims that may arise.



Warranty (10%): SolarReviews reviewed both the product and performance warranties offered by manufacturers. The product warranty reflects the module's reliability, while the performance warranty outlines how panels will perform with each passing year.



U.S. Investment (10%): Each brand's commitment to the U.S. market was evaluated by identifying U.S. headquarters, offices, and manufacturing locations and attendance at U.S. trade shows and events.



Dealer network (10%): This factor reflects the availability of the brand among solar installers, ensuring access for U.S. homeowners.