

Top 10 solar panel brands of 2025

SolarReviews is thrilled to unveil its 2025 Solar Panel Brand Rankings.

The scoring system, carefully crafted through extensive discussions with industry leaders, evaluates solar panel brands based on product quality, financial bankability, commitment to U.S. manufacturing, and value. This methodology was used to evaluate 30 brands and ensures a transparent, unbiased, and comprehensive ranking that consumers and industry professionals can rely on.

Top solar brands

1  CanadianSolar

2  JA SOLAR

3  Qcells

4  SILFAB
SOLAR

5  Jinko^{Solar}

6  Panasonic

7  REC

8  Trina solar

9  SEG
SOLAR

10  LONGi

"It's more important than ever for consumers to choose solar products from brands they can trust. With the closures of several large solar installers and the high-profile struggles of others, homeowners will need to rely on these manufacturers to stand behind their products. All the brands on our Top 10 list provide excellent solar panels, and have demonstrated the ability to thrive in tough times and support homeowners and the industry."

Ben Zientara

Industry and Policy Analyst, SolarReviews

Ranking factors



Value (25%): Solar panels are a significant investment, so our rating system places high importance on cost. We use various sources, including data from our annual Solar Industry Survey, to determine average price per watt.



Module quality (20%): We evaluate the performance specifications of a company's top residential solar panel, focusing on efficiency, temperature coefficient, and the brand's presence on the Kiwa PVEL Top Performers list.



Company financial performance (20%): The historical financial health of a company is the best indicator of its ability to honor any future warranty claims. We look at past financial statements for revenue, net income, and growth.



U.S. Investment (15%): Commitment to manufacturing in the U.S. is incredibly important to a brand's future success here. Offices locations, manufacturing facilities, employee count, and attendance at trade shows are ranking criteria.



Warranty (10%): We evaluate product and performance warranties to gauge a company's commitment to module reliability and performance over time.



Dealer network quality (10%): We use our survey data on installer opinion, as well as each brand's recent market share and availability of its products from distributors, to gauge access to the brand's products for homeowners.