

# **Current situation of solar panel installer**





## Overview

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The International Renewable Energy Agency (IRENA) reports that, between 2010 and 2023, the global weighted average levelized cost of energy of concentrating solar power (CSP) fell from \$0.39/kilowatt-hours (kWh) to under \$0.12/kWh—a decline of 70%. IRENA reports significant cost declines for all.

Declines in residential solar markets have been a hit to the industry—but its foundation is strong. Worldwide, 2024 was a difficult year for the residential solar market. After several years of 30 percent annual growth in installations, 2024 saw a decline: fewer panels were installed in many.

Three out of five of solar installers say that their businesses were harmed in 2021 due to supply chain issues, according to the seventh annual Solar Installer Survey conducted by EnergySage and NABCEP. Over 500 residential and commercial installers across the country participated in this year's.

The solar industry is bracing for a turbulent year, and SolarReviews' newly released 2025 Solar Industry Survey lays out exactly why. The survey, now in its third year, gathered insights from solar companies across the industry between December 2, 2024, and January 3, 2025, covering everything from. What challenges do solar installers face?

The top challenge, as noted earlier, was the supply chain. According to installers, supply chain constraints overwhelmingly manifested as freight delays, decreasing the availability of solar panels and batteries in particular: 57% of installers stated it was more difficult to purchase and receive the solar



equipment they wanted to sell.

Is residential solar down today?

Residential solar might be down today, but its long-term prospects remain solid. We see that residential solar is poised for steady growth, especially for companies that take the right steps now in preparation to enter the next phase.

How many solar installers are there?

In total, 501 solar installers participated across 43 states and two territories: Washington DC and Puerto Rico. "It cannot be overstated how important this information is to the solar industry and the future of the renewable energy sector," said Shawn O'Brien, President & CEO of NABCEP.

What are the biggest challenges facing solar installers in 2024?

Installers named Qcells, REC, and Silfab as their go-to solar module brands, while Enphase, Tesla, and SolarEdge dominated the energy storage space. However, one of the biggest challenges in 2024 was the wave of solar company closures. A staggering 81% of installers reported that at least one large competitor in their service area shut down.

Should you install a residential solar system?

Surveys repeatedly show strong consumer interest. In a 2022 McKinsey survey in the United Kingdom, 59 percent of people without a residential solar system said they definitely would install one or were likely to consider it in the next few years.

Did supply chain issues affect solar installers in 2021?

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### Rooftop solar in South Africa still faces these major ...

During the 2023 budget speech, finance minister Enoch Godongwana revealed that individuals who install rooftop solar panels from 1 March will be eligible to receive a rebate of 25% of the cost of



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The solar industry is facing a challenging landscape as it heads into 2025, driven by a mix of political uncertainties, potential tariff changes, and the ongoing effects of supply chain disruptions.



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