

Title: Solar panel demand surges

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Why is the residential solar market struggling?

The residential solar market has struggled over the past few years, primarily due to sustained high interest rates. Consumer demand took a further hit in Q2 due to tariff and economic uncertainty, the whiplash of various OBBBA drafts, and two more bankruptcies of major financiers.

Why did solar demand slow down in 2025?

That slowdown means that most of the increased demand could have been met by the astonishing growth of solar power. If you look over data on the first quarter of 2025, the numbers are pretty grim, with total demand rising by 4.8 percent compared to the same period in the year prior.

What are the challenges facing the commercial solar segment?

High interest rates, economic and policy uncertainty continue to be significant challenges for the segment. The commercial solar segment set a second quarter record, growing by 27% compared to Q2 2024, and adding 585 MW dc of new capacity.

How has the solar market changed over the past year?

Many installers report a rocky start to the year. In H1 2025, capacity decreased year-over-year in 33 states, resulting in a 12% contraction compared with H1 2024. The residential solar market has struggled over the past few years, primarily due to sustained high interest rates.

Second quarter residential solar installations landed just over 1 GWdc as high interest rates and economic uncertainty continue to suppress demand. Several bankruptcies of major ...

Solar energy, which has consistently beaten expectations, is likely to meet a high share of long-run global energy demand because three drivers of the surge look structural. First, learning-by ...

World installed 380 GW of new solar capacity in first six months of 2025 Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 ...

As the world rushes to adopt solar energy, a new crisis is unfolding--solar panel shortages triggered by high demand, climate change, and weak infrastructure. This article explores ...



Solar panel demand surges

US Solar Market Insight is a quarterly publication of Wood Mackenzie and the Solar Energy Industries Association (SEIA).

Energy demand patterns will shift under climate change, but so will generated electricity, particularly as the wind and solar power supply increases. Here the authors model the impacts of ...

The growth of solar, in contrast, has only tailed off slightly--it's still up by 36 percent year over year. As such, solar growth was enough to offset over 80 percent of the increased demand.

Solar power shortages are increasing due to rising demand and climate change. Learn how to adapt and harness renewable energy today!

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 ...

The U.S. solar market hit record 2025 growth with 18 GW added, but faces policy, financing, and supply chain challenges shaping future trends.

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