



# Domestication rate of photovoltaic panels

- The residential PV sector decreased overall growth, contracting 31% due to California's transition to NEM 3.0 and sustained high interest rates across the nation.

Department of Energy

In Q3 2025, the residential segment installed 1,088 MWdc of solar capacity, declining 4% year-over-year and quarter-over-quarter. Despite an industry rush to bring projects online this year to ...

Photovoltaic (PV) solar accounted for 58% of all new electricity-generating capacity additions through the third quarter of 2025, remaining the dominant form of new electricity-generating ...

In 2022, solar photovoltaic panel shipments in the United States increased 10% from 2021, setting another annual record (31.7 million peak kilowatts [kWp]), based on our latest published ...

The report is based on address-level data for 3.4 million residential households across the country that installed solar onsite through year-end 2022, representing 86% of all U.S. residential ...

The first solar panel was created in 1883 and could only convert 1-2% of solar energy into electricity. Today's modern solar panels can convert up to 22% of sunlight into usable energy.

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 ...

Of the total solar capacity installed in the U.S., over 26 percent corresponds to residential installations. This segment has grown in recent years, reaching some 4.7 million installations in...

The U.S. residential solar PV market size was estimated at USD 7.45 billion in 2023 and is expected to grow at a compound annual growth rate (CAGR) of 14.4% from 2024 to 2030.



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