

The proportion of solar power generation in the United States



Overview

Solar energy accounted for some 6.91 percent of electricity generation in the United States in 2024, up from a 5.62 percent share a year earlier. The Energy Information Administration reports that utility-scale solar grew by 32%, while distributed solar increased by 15%, bringing their respective shares to nearly 5% and 2% of total electricity generation. Get notified via. 82% of U. The report also looks at retirements, planned retirements, and cancellations since 2017.

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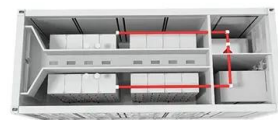


[Solar energy penetration U.S. 2024, Statista](#)

Solar energy accounted for some 6.91 percent of electricity generation in the United States in 2024, up from a 5.62 percent share a year earlier.

What is Proportion

Proportion is a mathematical comparison between two numbers. According to proportion, if two sets of given numbers are increasing or decreasing in the same ratio, then the ratios are said to be directly ...



[PROPORTION , English meaning](#)

PROPORTION definition: 1. the number or amount of a group or part of something when compared to the whole: 2. the number.... Learn more.

[Solar Energy Facts & Statistics 2026 . ConsumerAffairs®](#)

In 2022, 4.4% of single-family homes across the U.S. generated electricity from solar panels. Regionally, the percentage varied significantly. U.S. homes installed 6.8 GW of solar energy ...



[U.S. Renewable Energy Factsheet](#)

The United States' shift towards clean electricity continued in 2024, as wind and solar together rose to 17% of total electricity generation, surpassing coal, which dropped to an all-time low ...



[U.S. Renewable Energy Factsheet](#)

Over 7% of U.S. electricity comes from solar energy, nearly 8 times its share a decade ago. 34 Solar capacity has grown at an average of 28% annually over the last decade, reaching 248 GW ...



[US Electricity 2025 - Special Report](#)

The United States' shift towards clean electricity continued in 2024, as wind and solar together rose to 17% of total electricity generation, surpassing coal, which dropped to an all-time low ...



[America's Electricity Generating Capacity](#)

Nearly 469,000 MW of new generation capacity is under development in the United States. Sixty-six percent of the capacity that is most likely to come online, permitted plants and plants that are under ...

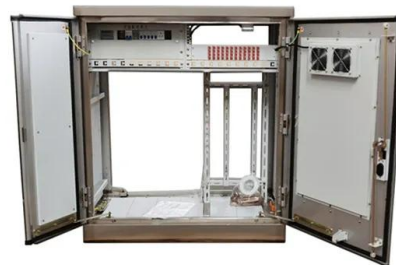


[Spring 2025 Solar Industry Update](#)

o The United States, despite being a leading PV market, is below the global average of other leading markets in terms of PV generation as a percentage of total country electricity ...

[Solar power generation drives electricity generation growth over the](#)

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...



[PROPORTION Definition & Meaning](#)

The meaning of PROPORTION is harmonious relation of parts to each other or to the whole : balance, symmetry. How to use proportion in a sentence.

[Solar power in the United States](#)

OverviewSolar potentialHistorySolar photovoltaic powerConcentrated solar power (CSP)Government supportSee alsoFurther reading

Solar power includes solar farms as well as local distributed generation, mostly on rooftops and increasingly from community solar arrays. In 2024, utility-scale solar power generated 219.8 terawatt-hours (TWh) in the United States. Total solar generation that year, including estimated small-scale photovoltaic generation, was 303.8 TWh. As of the end of 2024, the United States had 239 gigawatts (GW) of installed photovol...



[PROPORTION Definition & Meaning . Dictionary](#)

PROPORTION definition: comparative relation between things or magnitudes as to size, quantity, number, etc.; ratio. See examples of proportion used in a sentence.

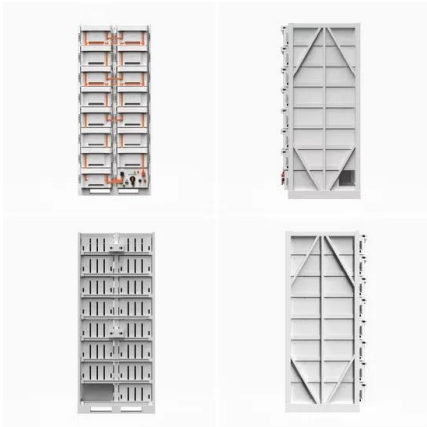
[Solar power in the United States](#)

In 2024, 66% of all new electricity generation capacity in the U.S. came from solar. [3] The United States conducted much early research in photovoltaics and concentrated solar power.



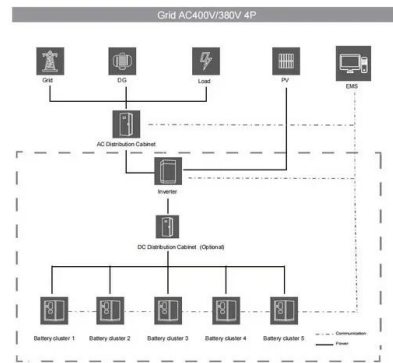
Proportion (mathematics)

Proportion (mathematics) A proportion is a mathematical statement expressing equality of two ratios. [1][2] a and d are called extremes, b and c are called means. Proportion can be written as, where ...



[Solar generation up 27%, accounting for 6.8% of all electricity](#)

Overall, U.S. electricity generation rose by 3.1% year over year. Over the past 12 months, solar photovoltaic sources accounted for more than 6.8% of all electricity generated in the U.S., up ...



[What is a Proportion in Math](#)

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