

# U S solar power generation capacity

Energy storage(KWH)

**102.4kWh**

Nominal voltage(Vdc)

**512V**

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Outdoor All-in-one ESS cabinet



## Overview

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Utility-scale solar capacity reached 128.6 GW in March 2025, growing from 96.6 GW in March 2024. The electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2024. In our latest Short-Term Energy Outlook (STEO), we expect U.S. electricity demand to grow 0.6% in 2025, when it reaches an annual total of 4,423 BkWh. The newly published data from the Federal Energy Regulatory Commission (FERC), reviewed by the SUN DAY Campaign, reveal that solar accounted for over 75% of US electrical generating capacity added in the first nine months of 2025. In September alone, solar provided 98% of new capacity, marking the 25th consecutive month. Solar has become the largest renewable source of installed power capacity in the United States, surpassing wind after 27 consecutive months as the leading source of new grid additions, according to the Federal Energy Regulatory Commission (FERC).

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### Solar Market Insight Report - SEIA

Solar accounted for 58% of all new electricity-generating capacity added to the US grid through the third quarter of 2025, with more than 30 GW installed. Solar and storage, combined, ...

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### EIA: 99%+ of new US capacity in 2026 will be solar, wind

Solar, wind, and batteries are set to supply virtually all net new US generating capacity in 2026, according to the latest EIA data.



### Solar power generation drives electricity generation growth over the

Almost 70 gigawatts (GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity ...

## Solar providing more than 75% of nation's new power generation capacity

In the first nine months of 2025, more than three-quarters of the electrical generating capacity added in the United States was solar power, according to new data published by the ...



## Solar, battery storage to lead new U.S. generating capacity additions

In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility ...

## Electricity generation from U.S. solar grows 28% year-over-year

Utility-scale solar capacity reached 128.6 GW in March 2025, growing from 96.9 GW in March 2024, while small-scale solar, projects of 1 MW or less, reached 55.7 GW in March 2025, ...



## Solar power in the United States



In the first half of 2025, solar and wind together accounted for 91% of all new U.S. power generating capacity, continuing solar's dominance as the largest source of new electricity on the grid.

## Record-breaking year ahead for US power generation with

According to the US Energy Information Administration (EIA), developers plan to add 64 gigawatts (GW) of new utility-scale capacity in 2025, surpassing the previous record of 58 GW set in ...



## US solar capacity overtakes wind - pv magazine International

Solar has become the largest renewable source of installed power capacity in the United States, surpassing wind after 27 consecutive months as the leading source of new grid additions, ...

## FERC: Renewables made up 88% of new US power generating capacity ...

Newly published data from the Federal Energy Regulatory Commission (FERC), reviewed by the SUN DAY Campaign, reveal that solar accounted for over 75% of US electrical generating ...



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