



Amount of wind power and photovoltaic power generation connected to the grid





Overview

A review by the SUN DAY Campaign of data released by the Federal Energy Regulatory Commission (FERC) reveals that the combination of solar and wind accounted for 90% of new U. electrical generating capacity added in the first seven months of 2025. The American Public Power Association is the voice of not-for-profit, community-owned utilities that power approximately 2,000 towns and cities nationwide. In July, solar alone provided 96% of new. At the power system level, the net variability associated with wind and solar generation can be smoothed by aggregating multiple geographically dispersed resources. The data in this figure are from the same time period and are normalized to the same scale. As a result of new solar projects coming on line this year, we forecast that U. Data source: Ember (2026); Energy Institute - Statistical Review of World Energy (2025) - Learn more about this data Measured in terawatt-hours.



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WIND AND SOLAR ON THE POWER GRID: MYTHS AND ...

Generally, the relative variability of wind and solar decreases as the generation of more wind and solar power plants is combined. Figure 1 shows how aggregating the output of a small set of wind turbines ...

Renewable electricity - Renewables 2025 - Analysis

For solar PV, wind and bioenergy for power, deployment has been revised downwards. Solar PV accounts for over 70% of the absolute reduction, mainly from utility-scale projects, while offshore ...



[A Decade of Growth in Solar and Wind Power: Trends Across the U.S.](#)

To study America's growing renewable electricity capacity and generation, Climate Central analyzed historical data on solar and wind energy over a 10-year period (2014 to 2023). The



[Solar and wind dominated new US power capacity in Q1 2025](#)

The Federal Energy Regulatory Commission (FERC) has reported a remarkable milestone in the U.S. energy landscape, revealing that solar and wind energy together accounted for ...



Solar and wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this ...



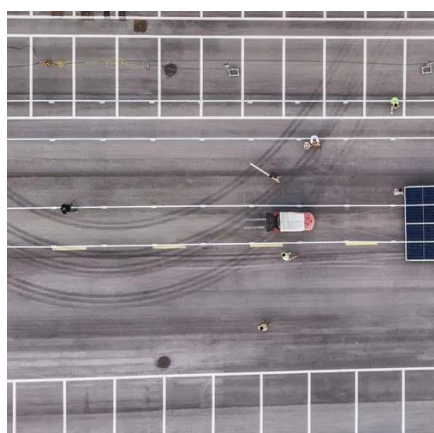
[Integrating solar and wind energy into the electricity grid for](#)

To strengthen community grids and improve access to electricity, this article investigates the potential of combining solar and wind hybrid systems. This is viable approach to address energy ...



[Solar and wind make up 90% of new US electricity capacity so far this ...](#)

A review by the SUN DAY Campaign of data released by the Federal Energy Regulatory Commission (FERC) reveals that the combination of solar and wind accounted for 90% of new U.S. ...

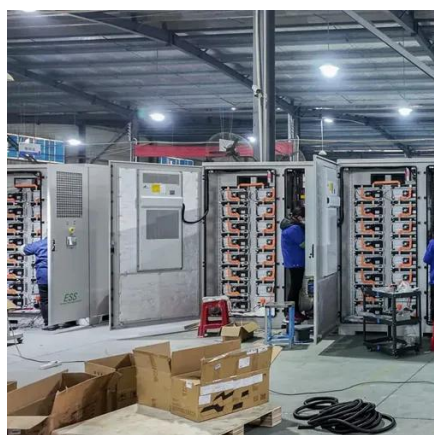


[Solar and wind to lead growth of U.S.](#)



power generation for the next ...

In 2023, the U.S. electric power sector produced 4,017 billion kilowatt-hours (kWh) of electric power. Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for ...



Grid connection backlog grows by 30% in 2023, dominated by ...

The queues indicate particularly strong interest in solar, battery storage, and wind energy, which together accounted for over 95% of all active capacity at the end of 2023.

America's Electricity Generation Capacity, 2025 Update

Current Capacity The largest fuel source is natural gas, accounting for just under 43% of all generation capacity. Coal, with a share of 15%, represents the second largest source of generation capacity. ...





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