

# Proportion of solar power generation and wind power



## Overview

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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. In 2024, global renewable installation reached new records, with over 450 GW of new solar capacity and over 110 GW of new wind capacity. Carbon dioxide (CO<sub>2</sub>) emissions from fossil fuels and industry. As a result of new solar projects coming on line this year, we forecast that U. solar power generation will grow 75% from 163 billion kilowatthours . Solar photovoltaics (PV) and wind power have been growing at an accelerated pace, more than doubling in installed capacity and nearly doubling their share of global electricity generation from 2018 to 2023. Utility-scale and "estimated" . What is the proportion of wind power and solar power?

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### Wind & Solar Share in Electricity Production Data , Enerdata

Weight of solar and wind in electricity production data. Data for solar and wind renewable energies in electricity production available in a map and excel file by country level.

### [Wind and solar now produce more U.S. electricity than coal. What](#)

About a year ago, the United States passed a tipping point: for the first time ever, wind and solar power generated more electricity in America than coal, according to the International Energy



### Integrating Solar and Wind - Analysis

Solar photovoltaics (PV) and wind power have been growing at an accelerated pace, more than doubling in installed capacity and nearly doubling their share of global electricity

### A Decade of Growth for U.S. Solar and Wind , Climate Central

Top 10 states for electricity generated from solar (utility-scale and small-scale) and wind in 2024. Find data for all 50 states and Washington, D.C. in the full dataset.



### [Renewables generated 24.2% of US electricity in 2024 - EIA data](#)



## Share of electricity generated by solar and wind power

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

Wind and solar combined provided more than 17.2% of US electrical generation during 2024. The mix of all renewables - wind, solar, hydropower, biomass, geothermal - provided 24.2% of



## What is the proportion of wind power and solar power?

Moving forward, analysts predict that by 2030, wind and solar could contribute to nearly 50% of global electricity generation. This rapid growth will hinge on continued investments,

## How Much Renewable Energy Countries Use

We break down how much solar, wind and other sources of power are generating electricity in different nations.



## [Solar and wind to lead growth of U.S. power generation for the next](#)

Renewable sources-wind, solar, hydro, biomass, and geothermal-accounted for 22% of generation, or 874 billion kWh, last year. Annual renewable power generation surpassed nuclear

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

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