The proportion of wind and photovoltaic power generation in the future

Overview

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 (kWh) in 2023 to 286 billion kWh in 2025. Growth in utility-scale and distributed solar PV more than doubles, representing nearly 80% of worldwide renewable electricity capacity. In this interactive chart, we see the share of primary energy consumption that came from renewable technologies – the combination of hydropower, solar, wind, geothermal, wave, tidal, and modern biofuels. This is more than triple the amount generated a decade ago, in 2015. Together, solar and wind accounted for a record. Due to supportive policies and favourable economics, the world's renewable power capacity is expected to surge over the rest of this decade, with global additions on course to roughly equal the current power capacity of China, the European Union, India and the United States combined, according to a. For example, in 2024, more than 90% of all new electricity capacity worldwide came from renewable sources such as solar, wind, hydro and geothermal. Yet even with this significant growth in renewable and other zero-emission capacity, the world is still burning, and increasing its use of, fossil.

The proportion of wind and photovoltaic power generation in the fu

US Electricity 2025 - Special Report

Wind and solar combined produced a record 17% of US electricity in 2024, overtaking coal at 15% for the first time.

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Massive global growth of renewables to 2030 is set to match entire

Overall, led by the massive growth of renewable electricity, the share of renewables in final energy consumption is forecast to increase to nearly 20% by 2030, up from 13% in 2023.

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Renewable Energy

This interactive chart shows the share of electricity that comes from renewable technologies. Globally, almost one-third of our electricity comes from renewables.

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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 ...

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Renewable energy statistics 2025

Renewable energy statistics 2025 provides datasets on power-generation capacity for 2015-2024, actual power generation for 2015-2023 and renewable energy balances for over 150 countries and areas for ...

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Worldwide solar and wind power generation has outpaced electricity demand this year, and for the first time on record, renewable energies combined generated more power than coal, according to a new ...

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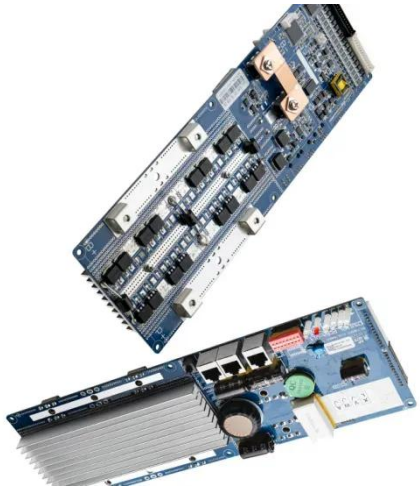
Solar and wind to lead growth of U.S. power generation for the next ...

In 2023, the U.S. electric power sector



produced 4,017 billion kilowatthours (kWh) of electric power. Renewable sources--wind, solar, hydro, biomass, and geothermal--accounted for ...

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Global Energy Trends: Clean Energy Growth and Rising Demand

Clean energy continues to dominate new power capacity. For example, in 2024, more than 90% of all new electricity capacity worldwide came from renewable sources such as solar, wind, ...

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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.

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Global spatiotemporal optimization of photovoltaic and wind power to

Here we present a strategy involving construction of 22,821 photovoltaic, onshore-wind, and offshore-wind plants

in 192 countries worldwide to minimize the levelized cost of electricity.

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