Photovoltaic power generation and wind power industry development

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Each quarter, the National Renewable Energy Laboratory conducts the Quarterly Solar Industry Update, a presentation of technical trends within the solar industry.

For the 29th consecutive year, the IEA-PVPS Trends report is now available. This document provides the most comprehensive global overview of the development of the Photovoltaics sector, covering ...

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 ...

This report uses data from the EIA to analyze solar and wind capacity and generation over the past decade (2014 to 2023) in all 50 states and the District of Columbia.

r energy leaders to agree the 2030 trajectory for wind and solar PV. Together, the group looked at past performance, new developments and other. facts to come up with a forecast for their likely evolution ...

2025 has been a challenging year for renewables. The new tax law, commonly referred to as the One Big Beautiful Bill Act, rolled back many clean energy tax credits and imposed new restrictions, ...

In our latest Short-Term Energy Outlook, we forecast that wind and solar energy will lead growth in U.S. power generation for the next two years. As a result of new solar projects coming on ...

By 2028, renewables are predicted to account for 42% of global electricity generation, with significant contributions from wind and solar photovoltaic (PV) technology, particularly in China, the ...

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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Global operating capacity increased by 14% in 2024, as at least 240 gigawatts (GW) of utility-scale solar and wind came online. Despite their 45% share of global gross domestic product ...

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