

PEES Power Systems

New Energy Wind Solar and Storage Market Potential



Overview

Global renewable capacity is set to continue with robust growth in 2025, with forecasts pointing to more than 500 GW of new solar installations, 130 GW of new wind capacity, and over 50 GW of new battery storage. 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, pressuring early-stage wind and solar pipelines. Wind and solar investments in the first half of 2025 fell 18%, to nearly US\$35 billion (prior to the). Despite setbacks ranging from weather and climate disasters, global trade tensions, and the termination of tax credit eligibility, 92% of new power capacity added to the grid in 2025 came from renewable energy sources, according to Cleanview analysis. In the face of uncertainty—climatic, economic. Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. However, headwinds are also getting stronger. Several challenges persist. FFI Solutions has released its comprehensive Global New Energy Technologies Outlook 2025, authored by Drew Haluska, CFA, Senior Energy Transition Analyst. power generation for the next two years. • The IEA reported Pakistan's rapid rise to fourth place in annual global PV.

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2026 Renewable Energy Industry Outlook , Deloitte Insights

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, ...

Spring 2025 Solar Industry Update

- All non-carbon energy sources--including solar, wind, nuclear, hydropower, and geothermal--represented 41% of capacity (excluding storage) and 40% of generation in 2024.



New Energy Outlook: What 2025 Holds for Solar, Wind, Storage, Grid

Explore what 2025 holds for clean energy--from solar and wind growth to storage innovations and grid modernization. Key insights from FFI Solutions.

Renewable electricity - Renewables 2025 - Analysis

Since solar PV and onshore wind are the cheapest technology options to add new power generation in China, facilities were receiving 15- to 20-year contracts at provincial coal benchmark prices and very ...



Global Energy Storage Growth Upheld by New Markets

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy ...

Growth of Renewable Energy in the US , World Resources Institute

With the new projects online, renewables (including wind, solar, geothermal and hydropower) and battery storage now make up 30% of the country's large-scale power generating ...



What's Ahead for Solar and Wind in 2025: Insights from

Infocast Summit

What role will solar, wind and storage technologies play in addressing the pending "energy emergency" in the United States, and how is the industry responding to heightened policy ...



U.S. Renewables Outlook 2026: Key Risks and Strategies for ...

Renewables remain resilient in 2026 as developers adapt to market risks with solar + storage growth, wind repowering, and improved risk management.

INTEGRATED DESIGN
EASY TO TRANSPORT AND INSTALL,
FLEXIBLE DEPLOYMENT



Energy storage: 5 trends to look for in 2026 , Wood Mackenzie

Regional dynamics demonstrate energy storage markets reaching maturity. Explore this evolution and our analysis of the key global themes to watch in the year ahead.

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

As a result of new solar projects coming on line this year, we forecast that U.S. solar power generation will grow 75% from 163 billion kilowatthours (kWh) in 2023 to 286 billion kWh in ...



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