

Our study defines the global solar energy market as all grid-tied and certified off-grid photovoltaic (PV) and concentrated solar power (CSP) plants whose cumulative installed capacity is ...

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Artificial intelligence can unlock the vast potential of solar energy, supported by other emerging technologies, such as big data, the Internet of Things (IoT), sensors, and distributed ledger ...

Across all regions, developing a skilled workforce and setting ambitious solar and storage targets are essential tasks. In these times of political uncertainty, low-cost solar power could turn into ...

In our main case, renewables will account for almost half of global electricity generation by 2030, with the share of wind and solar PV doubling to 30%. At the end of this decade, solar PV is set to become ...

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

In this analysis, we examine the latest trends in installations, costs, and market dynamics, providing solar businesses, developers, and investors with a comprehensive picture of ...

It analyzes the response of solar companies to changing economic conditions, climate policies, and technological developments by adding talent, filing patents, and attracting capital at ...

Photovoltaic (PV) solar accounted for 56% of all new electricity-generating capacity additions in the first half of 2025, remaining the dominant form of new electricity-generating capacity ...

o At the end of 2024, solar was the second-largest source of U.S. generation capacity, though still a growing percentage of the U.S. electric generation mix. o In 2024, solar represented ...

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