

Solar generator progress



Overview

In 2024, generators added a record 30 GW of utility-scale solar to the U. We expect this trend will continue in 2025, with 32. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. This amount represents an almost 30% increase from 2024 when 48. 6 GW of capacity was installed, the largest. Developers added 12 gigawatts (GW) of new utility-scale solar electric generating capacity in the United States during the first half of 2025, and they plan to add another 21 GW in the second half of the year, according to our latest survey of electric generating capacity changes. Renewables now dominate new power generation capacity, while new domestic clean energy manufacturing facilities are popping up around the nation. Several challenges persist. Portable solar generators offer a green solution for powering up during electrical outages or off-grid excursions.

Solar generator progress

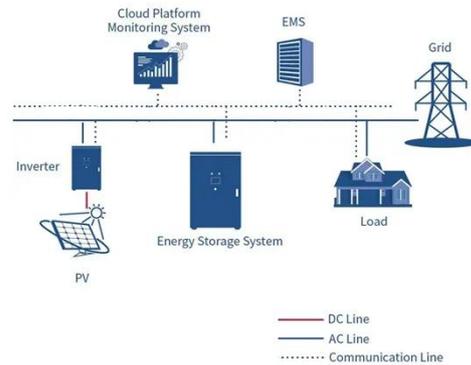


U.S. developers report half of new electric generating capacity will

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The 6 Best Solar Generators of 2026

In the last five years or so, portable fuel-powered generators and battery-based power stations have become increasingly essential in extreme weather. But power stations (i.e., solar ...

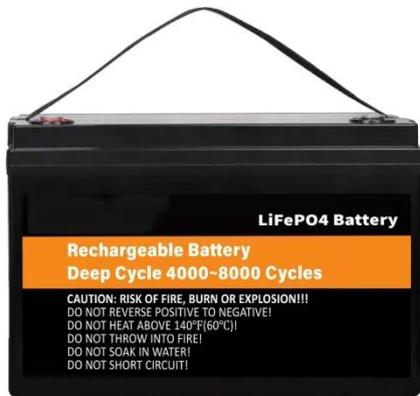


Growth of Renewable Energy in the US , World Resources Institute

Solar deployment and electric vehicle (EV) sales broke records in 2023 and 2024. Renewables now dominate new power generation capacity, while new domestic clean energy ...

The Best Solar Generators of 2025

Portable solar generators offer a green solution for powering up during electrical outages or off-grid excursions. Find out how today's top models fared in our hands-on tests.



Solar and battery storage to make up 81% of new U.S. electric

As the effects of supply chain challenges and trade restrictions ease, solar continues to outpace capacity additions from other generating resources. More than half of the new utility-scale ...

Solar, battery storage to lead new U.S. generating capacity additions

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory ...



Fewer U.S. solar projects are reporting delays in their expected online

In the third quarter of 2025, solar projects representing about 20% of planned capacity reported a delay, a

decrease from 25% in the same period in 2024, based on data compiled from ...



Utility-scale U.S. solar electricity generation continues to grow in

In the final five months of 2024, we expect new U.S. solar electricity generating capacity will make up 63%, or nearly two-thirds, of all new electricity generating capacity to come online in the ...



New solar plants expected to support most U.S. electric generation

In our latest Short-Term Energy Outlook (STEO), we expect that U.S. renewable capacity additions--especially solar--will continue to drive the growth of U.S. power generation over the next ...



The best solar generators for 2026, tested and reviewed

Whether you're camping, living off-grid, or want backup power for your house,

the best solar generators help you tap into sustainable energy.



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