

Kongres Container

Current Status of Solar Base Station Development



Overview

How many solar projects have been installed in 2024?

Data sources are diverse and include data from the Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and state agencies. The latest update contains project-level data on 1,760 solar projects installed through 2024. The update includes data synthesis covering:

How many GW of solar & battery storage will be added in 2024?

Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar. In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year.

How many GW of solar will be added in 2025?

Solar. In 2024, generators added a record 30 GW of utility-scale solar to the U.S. grid, accounting for 61% of capacity additions last year. We expect this trend will continue in 2025, with 32.5 GW of new utility-scale solar capacity to be added.

Where can I find a list of major solar project data?

SEIA makes major solar project data available to the public through the map below. SEIA members have exclusive access to the list as a sortable, searchable MS Excel file that is updated monthly.

How much solar capacity did the residential segment install in Q2 2025?

In Q2 2025, the residential segment installed 1,064 MW dc of solar capacity, declining 9% year-over-year and 3% quarter-over-quarter. High interest rates, economic and policy uncertainty continue to be significant challenges for the segment.

How many GW of solar power will be installed in 2024?

This amount represents an almost 30% increase from 2023 when 48.6 GW of capacity was installed, the largest capacity installation in a single year since 2002. Together, solar and battery storage account for 81% of the expected total capacity additions, with solar making up over 50% of the increase. Solar.

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Contact Us

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