

## ContainerPower Energy Solutions

# Has North America changed its solar site



## Overview

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Utility-scale solar posts record growth in 2024; projected to supply most of the nation's increase in electricity generation in 2025 and 2026 The Energy Information Administration (EIA) reported that, in 2024, the United States added a record 30 gigawatts (GW) of utility-scale solar to the grid.

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 two years. We expect U.S. utilities and independent power producers will add 26 gigawatts (GW) of solar capacity.

The US solar industry installed 7.5 gigawatts direct current (GW dc) of capacity in Q2 2025, a 24% decline from Q2 2024 and a 28% decrease since Q1 2025. Solar accounted for 56% of all new electricity-generating capacity added to the US grid in the first half of 2025, with a total of 18 GW.

Sinovoltaics updates North American solar module manufacturing map The latest North American manufacturing hub report from Sinovoltaics maps current and planned capacity for 95 plants in the region's PV module supply chain. The report tracks announcements of current and future capacities at plants.

The Inflation Reduction Act (IRA) spurred gobs of investment into American manufacturing by providing incentives to companies utilizing domestically-made components, leading to a crop of newcomers flooding the solar PV

market and prompting a fair amount of “creative destruction” in the space.

Battery storage grew substantially in the United States in 2023, with a projected doubling of capacity by 2024. Photo by U.S. government/Rawpixel  
Following the record-breaking outcomes of 2023, 2024 was another impressive year for clean energy deployment in the United States. These upward trends.

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