

# Solar power generation capacity plan



## Overview

---

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. 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. The American Public Power Association is the voice of not-for-profit, community-owned utilities that power approximately 2,000 towns and cities nationwide. We represent public power before the federal government to protect the interests of the more than 55 million people that public power utilities. Solar energy generation, measured in gigawatt-hours (GWh) versus installed solar capacity, measured in gigawatts (GW).

## Solar power generation capacity plan

---



### REPORT: Solar Adds More New Capacity to the Grid in 2024 Than ...

The United States installed a record-breaking 50 gigawatts (GW) of new solar capacity in 2024, the largest single year of new capacity added to the grid by any energy technology in over two ...

---

### Solar Power Plant Capacity Planning Guide

Explore expert strategies in solar power plant capacity planning for effective management and data-driven insights.



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

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 ...

---

### Solar energy generation vs. capacity, 2024

Solar energy generation, measured in gigawatt-hours (GWh) versus installed solar capacity, measured in gigawatts (GW).



### America's Electricity Generation Capacity, 2025 Update

In 2024, over 30,000 MW of solar capacity came online, which is a 30% increase in operating solar capacity. An additional 34,000 MW are under preparation, testing, or construction and projected to ...

### Electricity generation from U.S. solar grows 28% year-over-year

Solar continues to dominate new electricity generation capacity added to the grid in the United States, according to the Energy Information Administration's (EIA) latest release of its Electric ...



### Solar Power to Dominate U.S. Generating Capacity , Gexa Energy

According to the U.S. Energy Information Administration (EIA), solar energy is

expected to account for a significant portion of the new electricity generating capacity additions in the U.S. ...



---

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

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 ...



---

## **Contact Us**

For catalog requests, pricing, or partnerships, please visit:  
<https://www.scelto.co.za>

