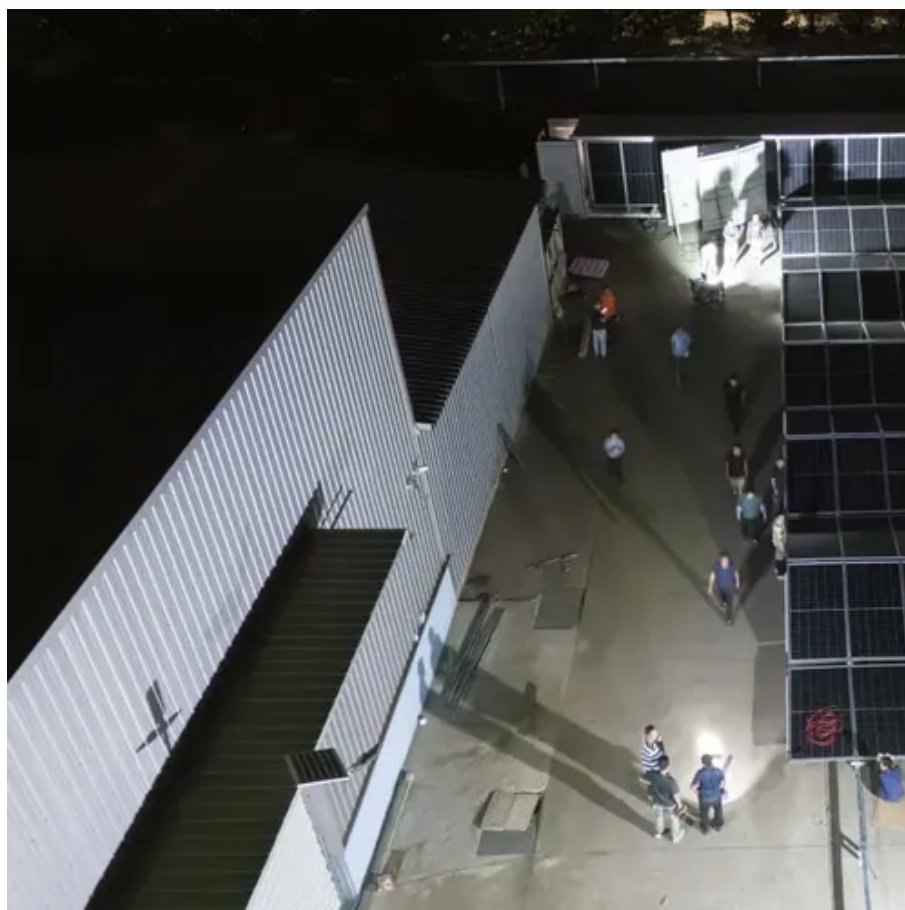




# Solar power generation personnel year-end summary





## Overview

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The Solar Jobs Census defines solar workers as those who spend 50% or more of their time on solar-related work. 5% growth. Electricity generation by the U. electric power sector totaled about 4,260 billion kilowatthours (BkWh) in 2025. In our latest Short-Term Energy Outlook (STEO), we expect U. 6% in 2027, when it reaches an annual total of 4,423 BkWh. 2 TW dc • China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. But the early withdrawal of federal support for renewables projects in mid-2025 creates a compressed 15-month runway for new solar facilities, placing further pressure on the already-stretched workforce. Over the last three years, solar has consistently been the primary. Utility-scale solar generation grew to 232 TWh in the rolling 12 months through March 2025, according to the latest data from the Energy Information Administration.



## Solar power generation personnel year-end summary



### [Renewable energy jobs surge, though data differ on where and by ...](#)

Wind and solar electricity output account for a large and growing portion of power generation, with jobs in those sectors making up an increasing share of energy employment. This ...

### [US Solar and Storage Workforce Report 2025 , Taylor Hopkinson](#)

America's solar industry has demonstrated remarkable growth and resilience. But the early withdrawal of federal support for renewables projects in mid-2025 creates a compressed 15 ...



### [Solar power generation drives electricity generation growth over the](#)

Almost 70 gigawatts (GW) of new solar generating capacity projects are scheduled to come online in 2026 and 2027, which represents a 49% increase in U.S. solar operating capacity ...



### [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 ...



## Spring 2025 Solar Industry Update

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 ...



## Solar Market Insight Report 2024 Year in Review

Strong deployments in California, Illinois, New York, and Maine contributed to a solid fourth quarter to round out the year. The community solar segment installed 1,745 MWdc in 2024, marking its largest ...



## Solar Industry Research Data - SEIA

Along with our partners at Wood Mackenzie Power & Renewables, SEIA tracks trends and trajectories in the solar industry that demonstrate the diverse and sustained growth of solar across the country.



## Executive Summary



A number of technical and industry strategies, that are either currently available or under development, can increase the ability to integrate electricity generated by variable sources such as solar technologies.



## National Solar

As of December 2022, there were 263,883 solar workers in all 50 states, the District of Columbia, and Puerto Rico. This represents an increase of 8,846 jobs, or 3.5% growth since 2021.

## Solar industry statistics 2026

This article compiles U.S. solar industry statistics, covering capacity generation, installed megawatts, employment figures and future projections.





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