



# Solar power generation in the first half of the year

**ESS**





## Overview

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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. If those plans. 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 is the fastest-growing source of electricity worldwide, and the buildout continues to gain pace, year after year. In the first half of 2025 alone, the U. Utility-scale projects led the way (about 14.



## Solar power generation in the first half of the year



### Spring 2025 Solar Industry Update

- Together, utility -scale solar and wind generation accounted for more power than coal generation. - Solar overtook hydropower to be the second -largest source of renewable energy ...

### [Record-breaking year ahead for US power generation with](#)

Developers have already installed 12 GW in the first half of the year, with another 21 GW planned before year-end. If achieved, this would mark 33 GW of solar capacity additions in a single ...



### 91% of new electrical capacity added in first half of 2025 was solar

A review by the SUN DAY Campaign of data just released by the Federal Energy Regulatory Commission (FERC) reveals that the combination of solar and wind accounted for 91% of ...

### [Global solar installations surge 64% in first half of 2025](#)

Global solar installations are on track for another record year. In the first six months of 2025, the world added 380 GW of new solar capacity -- 64% higher than during the same period in ...



## Report: Solar, wind power grew faster than electricity demand this year

Global solar generation grew by a record 31% in the first half of the year, while wind generation grew by 7.7%, according to the report by the energy think tank Ember.

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

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## [Global Solar Installations Up 64 Percent So Far This Year](#)

Even as the U.S. guts support for renewable power, the world is still pushing ahead on the shift to solar energy, with installations up 64 percent in the first half of this year. Solar is the fastest ...

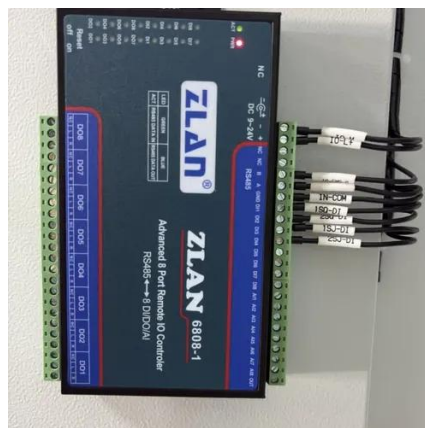
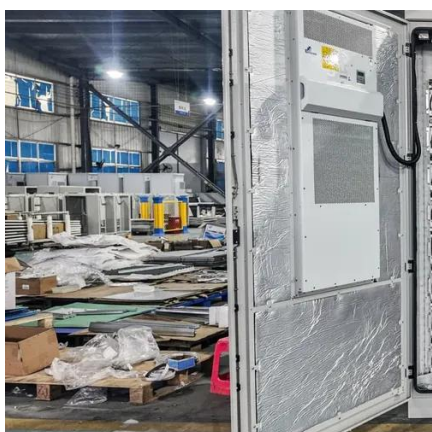


## [US adds 17.9GW of solar in the first half of](#)



## the year

The US has installed 17.92GW of new solar capacity in the first half of the year, with quarter-on-quarter declines in capacity additions for the utility-scale and residential sectors.



## U.S. Solar Market Trends 2025 - Record Growth & Risks

The solar industry is on track for its biggest year ever. In the first half of 2025 alone, the U.S. installed nearly 18 GW of new solar capacity, a record for any half-year period.

## **Solar Market Insight Report Q3 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 installed. Combined, solar and storage accounted for 82% ...





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