

Title: Global share of solar power generation

Generated on: 2026-07-26 07:56:39

Copyright (C) 2026 FS SOLAR & STORAGE. All rights reserved.

For the latest updates and more information, visit our website: <https://www.foires-salons.eu>

-----

How has solar impacted global power generation?

Regarding global power generation, solar nearly doubled its share over the past 3 years, growing by 1.3 percentage points only last year to a 7% share in the world's electricity mix. This growth continued to drive renewable penetration and pushed additions of conventional electricity sources to a new low.

What is the contribution of solar energy to global electricity production?

While the contribution of solar energy to global electricity production remains generally low at 3.6%, it has firmly established itself among other renewable energy technologies, comprising nearly 31% of the total installed renewable energy capacity in 2022 (IRENA, 2023).

Is solar energy a future energy resource?

The utilization of renewable energy as a future energy resource is drawing significant attention worldwide. The contribution of solar energy (including concentrating solar power (CSP) and solar photovoltaic (PV) power) to global electricity production, as one form of renewable energy sources, is generally still low, at 3.6%.

What percentage of global electricity production is renewable?

In 2016, as depicted in Fig. 1, renewables contributed to about 30% of the global installed capacity, providing nearly a quarter of global electricity production. The solar power (PV+CSP) accounted for nearly 8% of the renewable electricity production.

Solar (photovoltaic) panels cumulative capacity Solar and wind power generation Solar energy generation by region Solar energy generation vs. capacity Solar photovoltaic module prices vs. ...

The share of renewables in global electricity generation is projected to rise from 32% in 2024 to 43% by 2030, while the share of variable renewable energy sources set to almost double to 27%.

Share of electricity production from solar, 2025 Measured as a percentage of total electricity produced in the country or region.

Solar generation reaches new high Global solar power generation rose by 30% in 2024, exceeding 2,000 terawatt-hours (TWh). In absolute terms, solar growth reached 475 TWh, which is ...

The year 2024 was a true landmark year for solar power. Global solar installations reached nearly 600 GW - an impressive 33% increase over the previous year - setting yet another ...

Policymakers in some of the world's largest economies are reducing support for solar power generation. Even so, Goldman Sachs Research expects rapid growth in the sector, with global ...

Discover all statistics and data on Global solar energy outlook now on statista !

Global energy demand is growing, and solar energy covers an ever-increasing share of it. Although coal (35 percent) and gas (22 percent) still account for the largest share of electricity ...

The present review study, through a detailed and systematic literature survey, summarizes the world solar energy status along with the published solar energy potential assessment articles for ...

The world generated 2,109.76TWh of electricity from solar in the first nine months of the year, a 31% increase over the same period in 2025.

Web: <https://www.foires-salons.eu>

