

Czechia expensive solar panels

How many solar power plants are in Czechia?

A total of 82,799 solar power plants were connected to the grid in Czechia last year. Image: CEZ Group
Czechia recorded a significant increase in installed solar capacity last year, with about 970 MWp of capacity added to the grid. However, the growth was mainly driven by household rooftop solar, according to the Czech Solar Association.

How many solar power plants did Czechia build in 2023?

Czechia built around 1 GW of new PV plants in 2023, according to data from the Czech Solar Association (Solání Asociace). In total, 82,799 solar power plants were connected to the grid, with a combined total output of 970 MW. The nation achieved a record-breaking year with 145% growth, connecting 49,000 more power plants than it did in 2022.

How much solar power does the Czech Republic have in 2022?

As the central European nation clocked in 2,627 MW of installed solar PV capacity at the end of 2022 - which is 426 MW up from the previous year, according to estimates published by the International Renewable Energy Agency (IRENA) - the Czech Republic's continued achievement of these solar gains was on the lips of most attendees.

Why is the solar market growing in Czechia?

The figures mark a period of rapid growth in Czechia's solar market. The growth has been largely driven by residential PV, with most of the new installations (80,069) being domestic PV plants, supported by the country investing an additional CZK 55 billion (\$2.5 billion) in its New Green Savings program back in March 2023.

Will the Czech Republic invest in solar power?

The Czech Republic will have hard time looking for someone willing to invest in the sector, "the Czech Solar Association Chairman Jan Krcmar said. Majority state-owned electricity producer CEZ (CEZP.PR) plans to invest \$4.15 billion - four times its 2020 profit - into building 6 gigawatt of solar power capacity by 2030.

Does Czechia need more energy storage capacity in 2023?

Czechia registered strong PV capacity growth in 2023, driven by a surge in residential installations. The nation's PV association says it expects a shift toward larger power plants in the coming year, but notes the need for more energy storage capacity.

According to the Czech government, the programme aims to achieve energy savings in final consumption, with measurement including the development of solar PV systems. In contrast, there were only 2,730 company and land-based solar PV plants added last year, with a total output of about 140 MWp.

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- In Jan 2023 Czech Parliament approved an amendment of Energy Law enabling from Feb 2023: streamlining of permitting procedures for new PV plants with capacity over 1 MWp incl FPV; operation of PV plants up to 50 kWp without licence + energy sharing of produced PV energy amongst households+ development of community PV projects

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