

Kongres Container

How many watts of solar panels are sufficient in Slovenia



Overview

How much solar power does Slovenia have in 2024?

Slovenia installed 298.8 MW of solar capacity in 2024, according to the Slovenian Photovoltaic Association (Združenje slovenske fotovoltaike). Director Nina Hojnik told pv magazine the total includes 191.5 MW of residential installations, 100.8 MW of commercial and industrial (C&I) projects, and 6.5 MW of utility-scale capacity.

Does Slovenia have a solar energy program?

In January 2025, Slovenia's Ministry of Cohesion and Regional Development launched a 16 million euro program to support solar energy communities with projects of at least 100 kW capacity. This total includes 191.5 MW from residential systems, 100.8 MW from commercial and industrial projects.

How much solar power will Slovenia have by 2030?

In its report, issued a month ago, SolarPower Europe estimated that Slovenia could reach 6.2 GW in total solar power capacity by 2030. Of note, a record 55.9 GW was installed in Europe last year, 40% more than in 2022. The boom in photovoltaics is evident throughout the planet.

How much electricity does Slovenia use per capita?

Electricity consumption per capita exceeds 6 600 kWh (20% above the EU average). Slovenia's energy intensity has decreased at the same rate as the EU average (-1.9%/year over 2000-2019) and remained 25% higher in 2019. Benefit from up to 2 000 up-to-date data series for 186 countries in Global Energy & CO 2 data.

What are the main sources of electricity in Slovenia?

A paid subscription is required for full access. Nuclear power is the most used source of electricity production in Slovenia. In 2022, nuclear power plants accounted for 42 percent of total electricity generation. Coal-fired and

hydropower plants followed, each making up approximately 24 percent of power production that year.

Does Slovenia have a good electricity grid?

Slovenia has an effective electricity grid and is pursuing opportunities to partner with neighboring countries to build and strengthen natural gas interconnections, as well as opportunities to increase access to and markets in Serbia, Romania, Bulgaria, Greece, Turkey, and the Western Balkans.

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