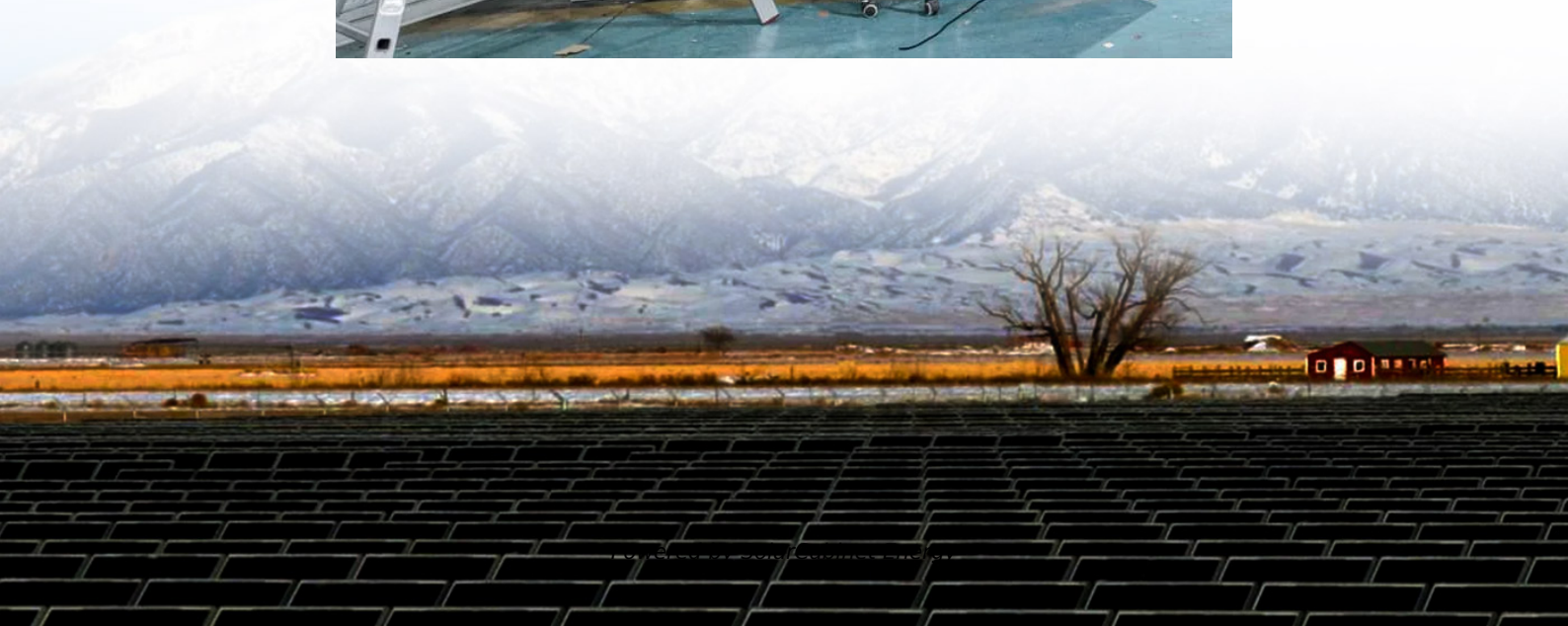


# **Small solar power generation systems in Slovenia**





## Overview

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What is the potential of photovoltaic energy in Slovenia?

Slovenia offers great potential for exploiting photovoltaic energy due to evenly spread solar irradiation. The first photovoltaic power plant in Slovenia was set up in 2001. At the end of 2017, 4,231 photovoltaic power plants had been installed in Slovenia with a total power of 267 MW.

How many solar power plants are there in Slovenia?

In 2022, 12,698 solar power plants with a total capacity of 227.6 megawatts (MW) were connected to the grid in Slovenia and 18,034 solar power plants with a total capacity of 411.8 MW in 2023. In total, 49,092 solar power plants with a total capacity of 1,104.5 MW were in the system on 31 December 2023.

How many solar power plants are there in 2023?

In total, 49,092 solar power plants with a total capacity of 1,104.5 MW were in the system on 31 December 2023. In the last two years, two-thirds of the country's solar power generation installations have been connected to the grid.

Where can a solar power plant be set up?

The rules, introduced by a government regulation, also set out where it is possible to set up solar power plants. These will be allowed on existing buildings, facades, balconies and car parks regardless of their size as well as in the wide areas of roads, railways, electricity production facilities and landfills.

Will new buildings have solar panels installed in Igja Intihar?

The Prapretno solar plant. Photo: Žiga Intihar New buildings with a roof area over 1,000 square metres and new car parks with a surface area exceeding that size will as a rule have to have solar panels installed under new rules that



came into force on 13 April.

Should solar power plants be built outside a building land?

For any bigger solar power plants outside building land, spatial plans will still have to be changed, and the public will have to be included in such procedures. The law and regulation were required to enable Slovenia to draw funds from the EU mechanism for post-pandemic recovery. Many issues still open



## Small solar power generation systems in Slovenia

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[Slovenia's electricity consumption on 4 May 2024 entirely from](#)

In the first three days of May, most of Slovenia's electricity consumption was covered by renewable energy sources, while on 4 May 2024, the electricity generated from renewables ...

[Solar Company in Slovenia , Solar EPC Companies in Slovenia](#)

Whether you require a rooftop solar plant, solar water heater, solar pump, solar light, or even a solar EV charging station, we have you covered. As a responsible solar energy company in ...



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[Top 11 Solar Power Companies in Slovenia \(2025\) , ensun](#)

With a focus on advanced solar modules and a commitment to efficiency and affordability, it serves clients in Slovenia, Croatia, and Serbia,





making it a key player in the solar energy sector.

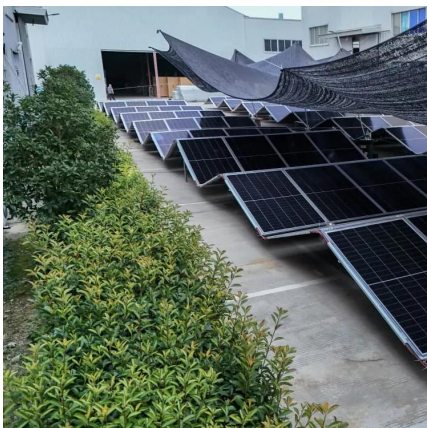


### [Slovenia Distributed Photovoltaic Solar Power Generation Project](#)

In March 2019 the Slovenian Government adopted the renewed Regulation on Self-Reliance on Electricity from Renewable Sources ("Regulation"), which regulates the net-metering model. ...

### [Solar power's untapped potential in Slovenia: Challenges and](#)

Slovenia ended the previous year with 1.4 gigawatts of installed solar capacity, over half of which comes from small-scale systems. This represents about eight percent of the country's total ...



### [Slovenia solar energy: Stunning 546 MW Growth in H1 2025](#)

6 days ago · As of 2023, Slovenia's electricity generation mix comprised 33% coal, 35% nuclear, 25% hydropower, 3% solar, and 4% from other sources. In 2023, the total installed capacity of ...



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