

## 4 MW of solar energy in Croatia

How many solar power plants are there in Croatia?

There are currently over 26,000 solar power plants connected to the grid in Croatia with a combined capacity of 872.1 MW, according to RES Croatia's figures, meaning the country is on course to join the gigawatt club this year.

Does Croatia need a solar energy strategy?

Croatia has one of the lowest photovoltaic capacity per inhabitant in Europe (15.6 Wp in 2020). The country will need strong support from local and international partners to develop its solar power sector and to decarbonize the economy. Croatia's energy strategy in the foreseeable future

What is Croatia's solar energy potential?

“Croatia's solar energy potential estimated at 6.8 GW”, Balkan Green Energy News. Retrieved 18 March 2022. ^Spasic, Vladimir (10 November 2021). “Croatia to add 1.5 GW of renewables by 2025”, Balkan Green Energy News. Retrieved 18 March 2022.

Does Croatia have a nuclear power plant?

Croatia has no nuclear power plants on its territory, but co-owns the Krsko Nuclear Power Plant together with Slovenia. The Krsko plant was built in the era of Yugoslavia on the territory of present-day Slovenia. Planned decommissioning is by 2043. In 2014, HEP built nine solar power plants on the roofs of business buildings.

Is solar irradiation a viable energy source in Croatia?

The abundance of solar irradiation in Croatia shall enable photovoltaic energy to become an increasingly cost-competitive power generation source and attract new investments. Croatian solar resource potential Energy Institute Hrvoje Pozar initiated several solar radiation measurements projects in Croatia.

What percentage of Croatia's energy mix is renewable?

Renewable energies account for approximately 31.33% of Croatia's energy mix. Hrvatska elektroprivreda (HEP) is the national energy company charged with production, transmission and distribution of electricity.

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Gornji Kneginec, located in Croatia's far north, signed an agreement in 2021 with Prokon from Varazdin, giving the green light to the company to build, use and maintain a PV ...



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Croatia installed 397.1 MW of solar in 2024, according to figures from RES Croatia. The figure is an increase on the 238.7 MW of solar that were installed in 2023.

Croatia installed a total 397 MW of solar in 2024, bringing its cumulative capacity to around 872 MW, and surpassed the 1 GW milestone in May.

In the first half of 2025, an average of 32 MW was added monthly, following a 397 MW increase in 2024, which brought the total to 872 MW by year-end. Croatia crossed the 1 ...

Hrvatska elektroprivreda (HEP) is the national energy company charged with production, transmission and distribution of electricity. At the end of 2022, the total available power of power plants on the territory of the Republic of Croatia was 4,946.8 MW, of which 1,534.6 MW in thermal power plants, 2,203.4 MW in hydropower plants, 986.9 MW in wind power plants an...

Croatian households and businesses added 59.4 MW of solar generation capacity in August and September, continuing the rapid growth of the segment since the beginning of ...

By the end of November 2024, Croatia had 25,406 solar power plants connected to the distribution grid, with a total installed capacity of 776 MW. This marks a 60% increase ...

As of 2021, Croatia had 100 MW of solar power, providing 0.4% of electricity. The potential for solar energy in Croatia is estimated at 6.8 GW, of which 5.3 GW would be accounted for by ...

The pressure has clearly borne fruit and should be continued - as of 2023, Croatia has installed a total of 462.5 MW of solar energy, with an additional 238.7 MW installed that ...

Solar power. As of 2021, Croatia had 100 MW of solar power, providing 0.4% of electricity. The potential for solar energy in Croatia is estimated at 6.8 GW, of which 5.3 GW would be ...

In May 2023, Acciona Energy announced the construction of the largest solar power plant in Croatia. The new power plant will be spread over three million square meters of rugged state ...

Croatia is expected to surpass 1 GW of solar power by 2025, driven by a significant increase in installations and supportive policies. This expansion is part of the country's broader ...

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