

How much does solar cost in Croatia?

The maximum reference values of market premiums for solar were EUR0.82/kWh and EUR0.75/kWh for wind. The first auction for large-scale projects in Croatia took place in 2022 to procure 638 MW of new capacity. However, it only attracted tepid interest, with premiums awarded to just 107 MW of projects.

How can Croatia benefit from solar energy?

However, to harness this potential effectively, Croatia will need to adopt more ambitious solar energy targets, ensure clear renewable energy investment direction in the power sector, and develop its modern electricity grid. The clean energy transition and development of the solar power sector can contribute to GDP growth and new jobs creation.

How much solar power does Croatia have?

The electricity generated from solar power accounts in average for 5% in the European Union and only 0.4% in Croatia. To reach the EU average, Croatia would need to add an additional 700 MW to its currently installed 100 MW of solar plant capacity. In 2020, the Croatian government introduced a financing model for renewable resources.

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 Požar initiated several solar radiation measurements projects in Croatia.

How many MW of solar projects did Croatia tender?

The Croatian authorities initially reviewed 144 projects totaling 713 MW for the auction. The tender was carried out in two phases. One awarded market premiums for projects with installed capacities of more than 1 MW each, including 350 MW of solar, 60 MW of wind, and 7.25 MW of hydropower.

When was the first solar auction in Croatia?

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Renewable sources supply around 30% of Croatia's energy needs, but only two percent is solar energy. The potential for solar energy is estimated at 6.8 GW (majority in utility-scale or ground system PV plants and 1.5 GW for rooftop solar systems). Building-, floating solar panels or agrovoltatics have not been fully explored or utilized,

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the Ministry of Economy and Sustainable Development Ivo Milati? said on the sidelines of the II Regional Conference RE-Source Croatia Hub 2024, dedicated to the development of power purchase agreements (PPAs).

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According to the lobby group's internal data, Croatia is on track to reaching 418 MW of installed capacity by the end of the month, with 2 GW of solar projects in the pipeline, she said.

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Croatia is raising the stakes on clean energy with a new round of auctions for solar, wind, and hydropower projects. For four days in December 2023, the country was powered entirely by...

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SolarPower Europe and Renewable Energy Sources of Croatia (RES Croatia) have signed a strategic partnership to support solar energy growth in Croatia and the wider region. As Croatia approaches the milestone of 1GW of solar capacity, this partnership reflects a shared commitment to supporting the region's renewable energy ambitions and ...



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