

Kongres Container

Types of solar power systems in Montenegro



Overview

Is Montenegro a leader in rooftop solar energy?

In recent years, Montenegro, a small country on the Adriatic coast, has become an unexpected leader in rooftop solar energy. With more than 2,000 hours of sunshine per year, the country's natural potential has always been evident, but innovative policy design has truly driven adoption.

How much solar power does Montenegro have?

Montenegro had installed solar power capacity of just 6 MW at the end of 2020. The country's solar power capacity is significantly smaller than the electrical power demand, which is currently met by the 225 MW Pljevlja thermal power plant in the north of Montenegro and two large hydropower plants, at Perućica (307 MW) and Piva (363 MW).

Where is electricity produced in Montenegro?

The majority of electricity in Montenegro is primarily produced at the Pljevlja coal-fired Thermal Power Plant, the Perucica, and the Piva Hydro Plants. The Montenegrin state-owned Electrical Power Company's (EPCG) core activity is electricity generation, transmission, distribution, and supply.

Is Montenegro a prosumer country?

Almost 70 MWp of rooftop solar capacity has been installed, making Montenegro a regional frontrunner in prosumer deployment. However, instead of leaving solar energy to wealthier households able to afford panels, Montenegro created a financing model that requires no upfront payments.

Will Montenegro's rooftop photovoltaics transform Red III?

Montenegro's nationwide rollout of rooftop photovoltaics, with thousands of prosumers integrated into the grid, illustrates precisely the kind of transformation envisaged in RED III. By early 2025, the rooftop capacity had approached 70 MW, with projections pointing to 100 MW by the end of the

year.

What is solar Gradnja?

The story began in 2021, when the state-owned energy utility EPCG founded a dedicated subsidiary, Solar Gradnja, to manage photovoltaic deployment. The company quickly launched the programmes Solari 3000+ and Solari 500+, targeting private homes and small businesses.

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