

PDEOZE PowerContainer

Monocrystalline solar panel installation 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.

Does Montenegro need solar power?

In effect, Montenegro has ensured that the benefits of solar power – lower energy costs, protection from market volatility, and environmental gains – are available to those who need them most, but not only to affluent early adopters.

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.

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.

What is Montenegro's 'same Bill & No Deposit' design?

Montenegro's 'same bill, no deposit' design is a textbook example of how to meet these requirements in practice. Similarly, the Renewable Energy Directive (Directive (EU) 2023/2413, known as RED III) raises the Union's 2030 renewable energy target to at least 42.5%, with an aspirational target of 45%.

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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