

Is Bulgaria getting more solar power?

Over the past year, Bulgaria has made considerable progress in expanding its renewable energy capacity, particularly in solar power. Solar energy production has surged from one gigawatt (GWh) in 2019 to more than three GWh today, with solar accounting for nearly half of the country's electric capacity from renewables. How many solar power plants are there in Bulgaria in 2024?

At the turn of the year, projects for a total of 4.1 GW were lined up for grid connections. Bulgarian companies put 481 renewable electricity plants into operation in 2024, adding 938 MW, according to the Electricity System Operator (ESO), Capital.bg reported. Of note, solar power dominates the new capacity.

How many GW of renewable electricity is there in Bulgaria?

Renewable electricity capacity increased by 938 MW in Bulgaria last year, compared to the addition of over 1.2 GW in photovoltaics in 2023. At the turn of the year, projects for a total of 4.1 GW were lined up for grid connections.

How much power does Bulgaria have?

In terms of wind power, Bulgaria had 708 MW of installed capacity in 2019, with the potential to reach up to 3.4 GW. Hydropower, another key resource, generates over 10% of Bulgaria's electricity.

**EXECUTIVE SUMMARY** The Bulgarian power system is undergoing an unprecedented surge in renewable energy deployment. Over the past four years, the country has significantly ...

The country aims to phase out coal-fired power plants by 2038 and add close to 3 GW of additional renewable energy capacity by 2030. As of the end of 2024, Bulgaria's total installed solar ...

Bulgaria installed over 1 GW of solar for the third consecutive year in 2025 and is forecast to add over 2 GW this year thanks to a large pipeline of utility-scale projects.

It is the transition from being a structural exporter and price anchor to becoming a regional shock absorber in an increasingly volatile, renewables-heavy European power system. For Bulgaria, ...

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The Energy Act and the Electricity Trading Rules were also amended to establish a basic framework for the development of electricity storage projects and the participation of storage facilities ...

The Selanovtsi PV power plant has an installed capacity of 59.8 MW and a storage capacity of 107.3 MWh, with projected annual generation of 79,892.71 MWh. Spanning nearly 38 ...

**Scoring System** This country profile highlights the good and the bad policies and practices of solar rooftop PV

development within Bulgaria. It examines and scores six key areas: ...

Bulgaria's energy sector is at a critical juncture, with two main objectives shaping its direction: decarbonization and reducing reliance on Russian energy. Over the past year, Bulgaria ...

Suggestions To expand low-carbon electricity generation, Bulgaria can make strategic advances in its existing strengths of nuclear and solar power. Looking towards reference regions, ...

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