

# Bulgaria 3 kW solar power generation





## Overview

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How big is Bulgaria's solar power?

In a matter of months, Bulgaria's total solar power capacity is set to exceed 3 GW, compared to just 1.3 GW at the end of 2021. The lineup in the list of the largest photovoltaic plants is changing almost every week as major facilities come online, and there is more in the pipeline.

How big is Bulgaria's solar PV capacity in 2024?

At the close of 2024, Bulgaria's solar PV capacity had already reached 3.91 GW—an annual increase of over 1 GW. These developments come on the heels of Bulgaria's first renewable energy auction held in late 2024, where more than 3 GW of generation and 1.176 GW of storage capacity were secured.

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 many MW of renewables is Bulgaria generating in 2023?

Renewables capacity increased by 938 MW in Bulgaria last year, compared to the addition of over 1.2 GW in photovoltaics in 2023.



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### BULGARIA AND ITS PLACE ON THE SOLAR ENERGY MAP

What should Bulgaria do about solar energy? The authorities in Bulgaria need to take steps to systematically reduce barriers, fees, and surcharges on small and medium-sized solar PV ...

#### The Net-Zero Circle

Aug 23, 2024 · Bulgaria's Solar Power Renaissance: A New Era of Renewable Energy Nestled in Southeast Europe, Bulgaria has long been a pivotal player in the region's energy landscape. ...

#### Bulgaria Auctions Off 3GW Renewable Energy and 1.17GW Energy ...

Dec 6, 2024 · Projects ranging from 200 kW to 2 MW received 107.5 million leva, while larger projects above 2 MW received 427.5 million leva. The first group had a contracted power ...

#### Bulgaria Electricity Generation Mix 2024/2025 , Low-Carbon Power ...

1 day ago · Bulgaria's electricity mix includes 40% Nuclear, 24% Coal and 17% Solar. Low-carbon generation reached a record high in 2025.

#### ENERGY PROFILE Bulgaria

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the ...

#### Bulgaria boosts renewables capacity by 938 MW in 2024

Jan 14, 2025 · 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 ...

#### Bulgaria enjoys solar boom as biggest photovoltaic parks ...

Aug 31, 2023 · In a matter of months, Bulgaria's total solar power capacity is set to exceed 3 GW, compared to just 1.3 GW at the end of 2021. The lineup in the list of the largest photovoltaic ...

#### Bulgaria Experiences Solar Boom as Large Photovoltaic Parks ...

Sep 3, 2023 · The Bulgarian solar energy sector is witnessing a remarkable transformation as the country's solar power capacity surges past expectations, with the biggest photovoltaic parks ...

#### Bulgaria solar electric generating station

Sep 28, 2025 · generation, primarily solar photovoltaics (PV) in Bulgaria and neighboring countries, drove down power prices during periods of high supply. In May 2023, electricity ...

#### Energy Storage in Bulgaria Surges with 9.7 GWh Awarded ...

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