

Where can I find solar power for home use in Bulgaria

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.

Which energy sources can be used in Bulgaria?

Renewable energy includes wind, solar, biomass and geothermal energy sources (although it is not yet known whether geothermal energy could generate any electrical power as only slightly over 100 degrees C had been found by 2023). Bulgaria has a high potential for solar irradiation, especially in the southern regions of the nation.

Are solar panels a viable option for self-consumption in Bulgaria?

Conversely, households and institutions interested in installing solar panels for self-consumption are still stuck with administrative hurdles. In the statistics of the International Renewable Energy Agency (IRENA), Bulgaria had 1.28 GW at the end of 2021 and 1.95 GW just one year later. The measure is expressed in nominal or peak capacity.

Will solar power grow in Bulgaria in 2023?

However, long-term share of solar power is much lower. Director of Bulgarian transmission network estimated photovoltaics growth as 30% in 2022, and he expected 700 MW new solar capacity in 2023, which could represent 30-40% YoY growth. In April 2023 Bulgaria's Inercom signed a contract with Huasun for a supply of 1.5GW solar modules.

How is electricity supplied in Bulgaria?

In the past, electricity in Bulgaria was provided by the state with heavy subsidies. However, to keep up with EU competition requirements it became privatised. Due to state subsidisation, instead of reducing costs privatisation actually increased them. Electricity is supplied by three main providers: CEZ, E.ON and EVN.

Where is Galabovo solar BG located?

Galabovo Solar BG, another subsidiary of Santera Re, is operating a 201.4 MW (150 MW connection) photovoltaic park. But it should be noted that it also consists of three sites: in Obruchishte, Mednikarovo and Musachevo. The Galabovo municipality is in south-central Bulgaria, in the Stara Zagora province. The facility has just come online.

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Solar power generated 12% of Bulgaria's electricity in 2023. By the end of 2020 about 1 GW of solar PV had been installed. It has been estimated that there is potential for at least another 4 GW by 2030. By the end of 2024 about 3.9 GW of solar had been installed. On March 13, 2023, peak photovoltaics power was 30% of Bulgaria electricity generation. Howe...

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