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Which energy sources can be used in Bulgaria?
Renewable energy includes wind,solar,biomass and geothermalenergy 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.

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 much energy does Bulgaria use per year?
of electric energy per year. Per capita this is an average of 5,486 kWh. Bulgaria could be self-sufficient with domestically produced energy. The total production of all electric energy producing facilities is 50 bn kWh,which is 142 percent of the country's own usage. Despite this,Bulgaria trades energy with foreign countries.

Why is electricity growing in Bulgaria?
The leaning towards low-carbon electricity generation reflects Bulgaria's commitment to cleaner energy sources, which offers an encouraging trend in reducing carbon emissions and protecting the environment. Data sources used on this page include EIA, ENTSOE, Eurostat and IEA. More about data sources -> Is Electricity Growing in Bulgaria?

Bulgaria"s electricity mix includes 40% Nuclear, 24% Coal and 18% Solar. Low-carbon generation reached a record high in 2025.

In practice this isn"t possible, because e.g. solar collectors are less efficient under clouds. Also wind- and water-power plants are not always ...

In 2019 Bulgaria had 708 MW of wind power capacity, with the European Wind Energy Association stating

that Bulgaria has the potential to generate up to 3.4 GW of wind power.

How much of Bulgaria"s energy comes from low-carbon sources? To reduce CO2 emissions and exposure to local air pollution, we want to transition our energy systems away from fossil fuels ...

Energy production includes any fossil fuels drilled and mined, which can be burned to produce electricity or used as fuels, as well as energy produced by nuclear fission and renewable ...

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Bulgaria has two main pillars of the electricity producing sector - coal and nuclear. Coal provides roughly half of the electricity in the country and nuclear another 35 per cent.

Due to delays in ongoing repair projects and regulatory inconsistencies, Bulgaria uses only one-third of its large, pumped-storage hydro power plants (HPPs) and even less of ...

Onshore wind: Potential wind power density (W/m2) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country"s land area ...

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For the first time, photovoltaic production alone surpassed power consumption in Bulgaria - for two hours. Interestingly, even more electricity was exported at the same time.

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, ...

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