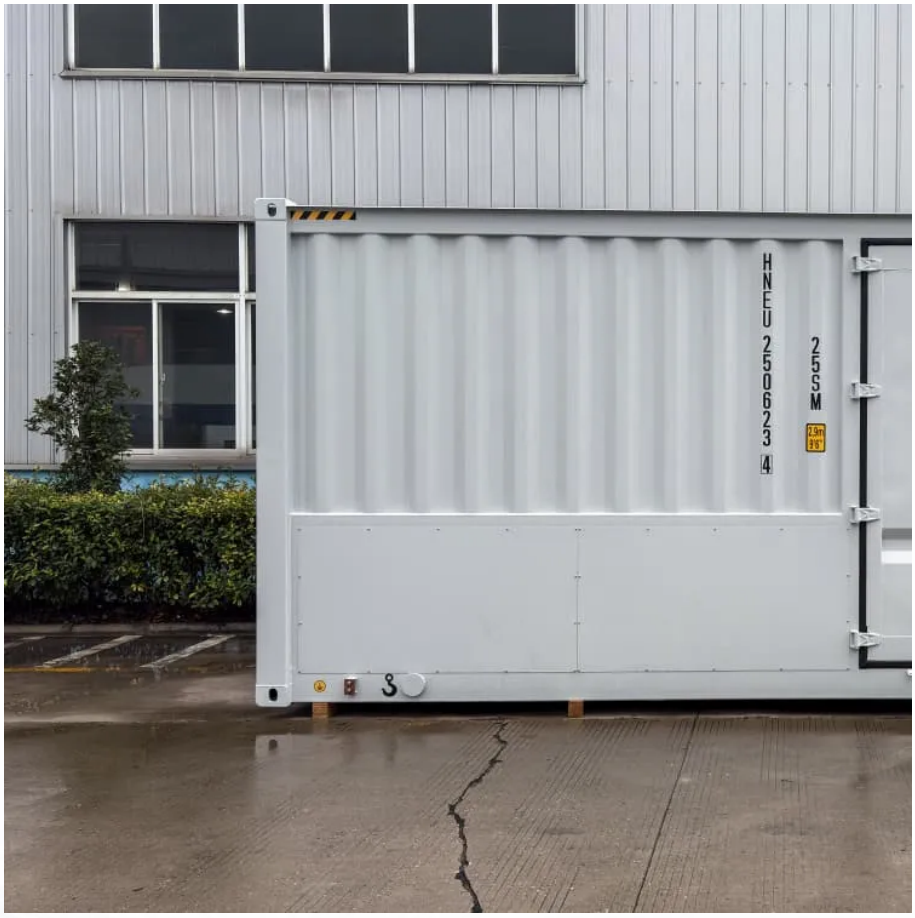
PDEOZE PowerContainer

Bulgarian outdoor power supply production



Overview

For the first time in Bulgaria, albeit for a few hours in May 2023, photovoltaics produced more electricity than nuclear power plants and thermal power plants, providing 31% of the electricity production.OverviewEnergy in Bulgaria is among the most important sectors of the and encompasses energy and electricity production, consumption and transportation in . The national energy policy is implemente.

Bulgaria is believed to have extensive resources but, due to a successful campaign against on land, only Black Sea exploration is permitted, such as at the .

More than a quarter of the population are estimated to be in , as some buildings are not well insulated. Geothermal heating of some schools is being trialled. Burning wood and coal for home heating, which is a c.

How much electricity does Bulgaria export a year?

In the past year, the export of electricity reached record levels of 12.2 TWh, which is an increase of 39% compared to the previous year, ranking Bulgaria third among the largest exporters of electricity in the European Union. Electricity production capacities meet consumer demand in Bulgaria and enable exports to neighboring markets.

How much electricity does Bulgaria produce in 2022?

In 2022, the Bulgarian energy industry exported more than 12 TWh of electricity totaling to EUR 3 billion, (USD 3.24 billion). Currently, the installed power generation capacity in Bulgaria is 13.247 MW, and the available capacity is 10,771 MW.

How much energy does Bulgaria produce?

Currently, the installed power generation capacity in Bulgaria is 13.247 MW, and the available capacity is 10,771 MW. To support its energy needs, Bulgaria imports natural gas, oil and oil products, and solid fuels (anthracite and black coal, coal coke). The main local energy source in Bulgaria is lignite coal.

What is the share of nuclear energy production in Bulgaria?

In 2022, the share of nuclear energy production is 32.6% of total electricity production in Bulgaria. The share is expected to remain above 40% until 2030. The reduction of fossil fuel imports into Bulgaria entails an increased need for energy production from renewable sources.

Does Bulgaria have a hydro power plant?

In Bulgaria, the National Electric Company (NEK) owns 15 conventional hydro and pumped-storage plants. Hydropower’s importance is not limited to the production of energy because it plays a key role in greenhouse gas emissions reduction. Bulgaria remains the most energy-intensive economy in the EU by a wide margin.

How much wind power does Bulgaria have?

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. Generating over 10% of Bulgaria's electricity, most hydropower plants are owned by NEK EAD and located in the Rhodope Mountains and Rila.

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According to data from the Bulgarian Electricity System Operator (ESO), electricity production in Bulgaria from 1 January to 15 June 2025 increased by 11.55% compared to the same period in ...

Bulgaria will add over 2,500 MW of installed renewable power capacity by the end of 2024 through the installation of 700 MW of wind farms, 1,600 MW of solar parks, and 219 MW ...

In Bulgaria, CWP is developing a portfolio of more than 1 GW of wind energy projects. This way we will contribute to the supply of affordable green energy, an accelerated replacement of ...

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Bulgaria: How much of the country's electricity comes from low-carbon sources? To reduce CO 2 emissions and exposure to local air pollution, we want to transition our electricity away from fossil fuels towards low-carbon ...

1.1.4. According to the EWRC data, the total increase in electricity generated by renewable energy sources in 2022 is 585 MWh compared to 2021, and this is mainly due to the ...

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primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end

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