

Bosnia and Herzegovina photovoltaic power station energy storage policy

Can solar power plants be used in Bosnia & Herzegovina?

From all Balkan countries, it was found that Bosnia and Herzegovina has one of the largest potentials for the implementation of solar power plants. It was estimated that energy produced from solar power plants could be 70.5 × 10⁶ GWh/year and the most suitable area is Herzegovina.

Is Bosnia and Herzegovina a good country for solar energy?

With around 60% of the land area, Bosnia and Herzegovina could have between 1.2 and 1.4 MWh/kWp of photovoltaic capacity compared to the world's solar potential. Compared to B&H and other Balkan countries, Serbia has a great potential for the implementation of solar energy.

How many biogas power plants are there in Bosnia & Herzegovina?

Currently, there are 2 biogas power plants in Bosnia and Herzegovina, one in Banja Luka and the other in Lower Zabar near Brcko District. However, these are very small plants, with insufficient power and an impact on savings.

Can bioenergy be used in Bosnia & Herzegovina?

Concerning bioenergy, the greatest potential lies in wood residues, since forests are one of the main natural resources of Bosnia and Herzegovina. There are currently two biogas power plants, but there is no available data about biofuel and other biowaste utilization.

How much electricity is produced in Bosnia & Herzegovina in 2021?

The total electricity produced in Bosnia and Herzegovina in 2021 was 17.64 TWh and the annual average electricity production per inhabitant measured in kilowatt-hours was 5,393 kWh. Fig. 1 shows the distribution of various sources for energy production in B&H in 2022.

What are the sources of energy production in Bosnia & Herzegovina?

As shown, most of the electricity produced in both entities comes from the coal and lignite industry (62.30%) followed by hydropower (35.03%) and wind power (2.04%). Fig. 1. Distribution of sources for energy production in Bosnia and Herzegovina in 2022 [8, 9].

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