

# **Bosnia and Herzegovina energy storage and solar power station**





## Overview

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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  $70.5 \times 10^6$  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.

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].

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.



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Bosnia and Herzegovina is well endowed with renewable energy resource potential; however, the sector is still in its initial stage of development. While biomass is the most



abundant renewable ...



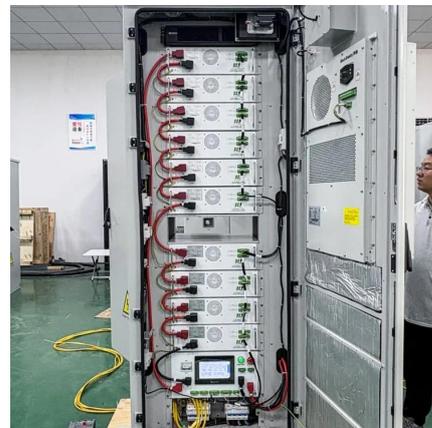
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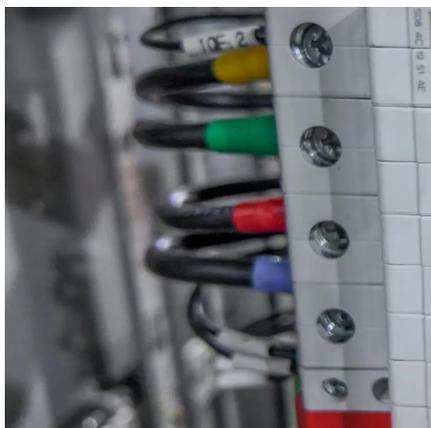
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Photovoltaic power potential of Bosnia and Herzegovina from global solar atlas [ 41 ]. In 2012, Bosnia and Herzegovina established the first solar power plant (SPP) in the site called ...



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CONCLUSIONS Bosnia and Herzegovina stands at a pivotal juncture: renewable deployment, especially solar, is racing ahead, and market rules have developed to accommodate storage ...



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