

# Design of solar energy storage application system in Bosnia and Herzegovina





## 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.

Who is building a 125 MW solar plant in Bosnia & Herzegovina?

Bosnia and Herzegovina has started working on a 125 MW solar plant – its largest to date. China's Norinco International will build the facility, with completion expected in one year. The European Commission has published a call for private companies to invest in the Western Balkans.

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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[\(PDF\) 4 th SEERC CONFERENCE Integration of Solar Power ...](#)

Parsons Brinckerhoff Ltd, branch in Belgrade "The influence of solar power plants on the electric power system in Bosnia and Herzegovina" (elaboration: 287546A Rec 1 ...

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Energy production in Bosnia and Herzegovina is carried out using primary energy from solid fuels, wood biomass, hydropower, as well as other forms of RES (solar and wind energy).

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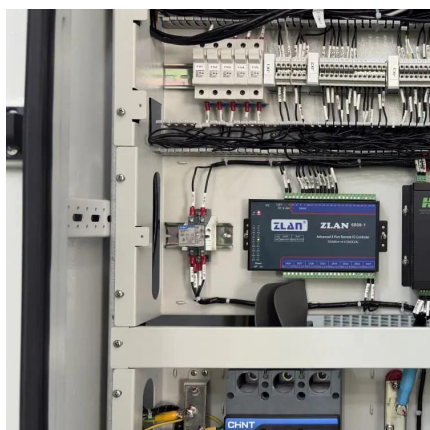
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