

## SolarTech Power Solutions

# Cost of new energy power generation and energy storage in Bosnia and Herzegovina



## Overview

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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.

Does Bosnia and Herzegovina have a potential for geothermal energy?

Immense potential also lies in Bosnia and Herzegovina's geothermal energy, however without significant interest of authorities in the development due to initial investments in geothermal heating, which are significantly higher compared to other conventional heating systems.

How is energy used in Bosnia and Herzegovina?

Total energy supply (TES) includes all the energy produced in or imported to a country, minus that which is exported or stored. It represents all the energy required to supply end users in the country.

Who invests in the energy sector in Bosnia and Herzegovina?

The authorities in Bosnia and Herzegovina do not show significant interest in the growth of this energy sector, therefore the investments so far are mostly from the European Union (EU) or individuals. However, this is not the case only in Bosnia and Herzegovina but also in other countries of the region.

Can solar power plants improve biodiversity in Bosnia and Herzegovina?

Future development of HPPs and the construction of new dams in Bosnia and Herzegovina should consider Strategic Environmental Assessments and effects on rivers' biodiversity. Solar energy has a great perspective for the implementation of solar power plants that counts for  $70.5 \times 10^6$  GWh of irradiated energy per year.

Does Bosnia & Herzegovina need to transition from coal to renewables?

As: Bosnia and Herzegovina has traditionally relied heavily on coal for electricity generation. Transitioning away from coal to renewables poses economic and social challenges, especially in regions where the coal industry is a significant employer.

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