

## **PDEOZE PowerContainer**

# **Albania 3 kW solar power generation**



## Overview

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Is there solar energy in Albania?

There is a large potential of solar energy in Albania. Solar radiation is 1.7-2 times higher than in Germany. About 99.5% of energy in Albania is produced by hydropower plants (in summer there is not such rainfall). Many small power plants can not operate during the summer months, as water is needed for agriculture.

Should Albania's energy mix include more renewables?

While Albania's energy mix already features one of the highest shares of renewables in the region owing to its extensive installed hydropower capacity, the essential need remains for a more secure, cost-competitive national energy supply. Diversifying the electricity mix to include more renewables would strengthen Albania's energy security.

How many solar projects are there in Albania?

So far, the solar auctions have produced two PV projects with a total of 240 MW. Albania reports 7 GW of wind and solar potential and is looking into developing offshore wind in the Adriatic Sea. The availability of renewable energy resources in Albania for some renewable energy technologies is less studied than for others.

What is Albania's energy sector strategy?

In 2018, Albania adopted its National Energy Sector Strategy, which examined various energy development scenarios and set forth a series of key indicators and objectives that will shape Albanian's energy sector over the period from 2018 to 2030 (Table 2). Most notably, the strategy stipulated a 42% share of renewable energy in the TPES by 2030.

How can Albania improve its energy infrastructure?

2. Creation of a smart energy infrastructure: Supporting solar and wind

energy source projects to diversify the renewable energy portfolio, harnessing Albania's ample sunlight and wind resources for clean power generation.

What type of energy is produced in Albania?

energy production include biomass (including wastes, residues, non-food cellulosic material, and lignocellulosic material), lignite and natural gas. Because domestic energy production is not able to meet demand, Albania is on average a net energy importer.

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