

## ContainerPower Energy Solutions

# Solar panels power generation in Albania



## Overview

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Albania has achieved a significant milestone in its renewable energy transition, successfully generating 10% of its total electricity from solar power in 2025. Will Albania have a solar power project?

The Ministry of Infrastructure and Energy of Albania received four applications for solar power projects with a combined capacity of 235 MW. A proposed unit in Fier, the country's photovoltaics hub, would be the second-biggest in the country. Solar power accounts for 6% of electricity production in Albania.

Could solar power reduce Albania's reliance on energy imports?

Albanian researchers say that solar could be key to reducing Albania's reliance on energy imports, but the nation will need to invest in grid infrastructure, streamline laws, and enhance access to funding to support deployment.

Is Albania a good place for solar energy?

The climate in Albania is Mediterranean, so it possesses considerable potential for solar energy production. Mountain elevations provide good areas for wind projects. There is also potentially usable geothermal energy because Albania has natural wells.

Could a photovoltaic unit be the second-biggest in Albania?

A proposed unit in Fier, the country's photovoltaics hub, would be the second-biggest in the country. Solar power accounts for 6% of electricity production in Albania. More than half of the photovoltaic output is from the Karavasta facility, the biggest of its kind in the Western Balkans. It has 140 MW in peak capacity.

Where is Albania's second largest photovoltaic plant?

The company laid the cornerstone late last year for the 100 MW solar power system in the west of Albania. The site is near the port city of Durrës. One other PV plant is planned for expansion to 100 MW. Now another project of the

same size is racing for the position of the country's second-largest photovoltaic facility.

Why is solar energy so underdeveloped in Albania?

This was mainly due to hydropower and the use of wood biomass in some households. Until 2017 Albania only offered renewable energy incentives for hydropower and as a result solar PV and wind have remained underdeveloped. However, in late 2023, a 140 MW solar plant was reported to have come online.

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