

## ContainerPower Energy Solutions

# Albania Civilian Solar Power Generation System



## Overview

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Renewable energy in Albania includes biomass, geothermal, hydropower, solar, and wind energy. Albania relies mostly on hydropower, therefore, it has difficulties and shortages when water levels are low. The climate in Albania is Mediterranean, so it possesses considerable potential for solar energy production. Mountain elevations provide good areas for solar energy. There is a significant potential for solar energy in Albania.

This paper studies the current state of PV usage in Albania's energy sector and the opportunities and challenges coming together with this technology. Economic, social, and environmental benefits are discussed, as well as existing policies for renewable energy.

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Representatives of energy ministries, electricity distribution system operators and regulatory bodies as well as international experts attended a field trip and presentations in Albania organized within the project Green Agenda: Decarbonisation of the Electricity Sector in the Western Balkans. It is a significant potential for solar energy in Albania.

Albania has a significant potential for solar energy in its energy mix in South-East Europe. The

renewable energy share in Albania is predominantly hydropower of which accounts for 95% of all generating capacity, with the remaining divided between solar (1%) and crude oil (4%). The remaining share of supply comes from.

The Ministry of Infrastructure and Energy of Albania signed the Project Development Agreement with Voltalia for the construction of the photovoltaic plant in Remas - Karavasta (near the Lushnja area) with an installed capacity of 140 MW, where the power generation from 70 MW will be offered as part.

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