



SolarTech Power Solutions

Benin New Chemical Energy Storage Power Station



Overview

How can bioenergy contribute to the energy sector in Benin?

In addition, the Vossa hydroelectric power plant of 60.2 MW is to be built with an annual production capacity of 188.2 GWh. An additional hydroelectric plant is planned to be installed in Bétérou to increase the national electricity production in Benin. Bioenergy can also play a crucial role in the energy sector in Benin.

How can Benin increase local production?

However, the government of Benin is making serious efforts to increase local production through national projects, specifically the Solar Energy Promotion Project (PROVES) and the Renewable Energy Development Program (PRODERE). The principal RE sources in Benin are hydro energy, biomass energy, wind energy and solar energy.

How much energy does Benin produce?

From 114 gigawatt hour (GWh) in 2010 to 1062.8 GWh in 2020, the energy output of self-producers and public power plants increased, with 810 GWh produced by public thermal power plants alone and 71.9 GWh by Benin's portion of Nagbeto's hydraulic production.

How does Benin get electricity?

The country's electricity supply is provided through two main sources, namely national production and imports. The Electricity Community of Benin (CEB), which is a mixed society between Benin and Togo, is responsible for providing electrical power to Benin.

What is the energy sector strategy in Benin?

In Benin, the energy sector strategy is aimed at improving the energy independence of the country and diversifying its sources of supply through the implementation of various interconnection projects with neighbouring

countries and the enhancement of the national RE potential.

Will Benin provide 100% electricity to its community by 2050?

Solar photovoltaic (PV) accounts for 0.30% of the mix by form of energy compared with 1.36% in 2016, as shown in Fig. 3. This shows that the government must make more effort to provide 100% electricity access to its community by 2050 . Electricity mix of Benin from 2016 to 2020 .

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