

Where is the solar power plant located in Benin?

The government of Benin is inaugurating the Illoulofin photovoltaic solar power plant. The facility, located in the commune of Pobè, Plateau department, has a capacity of 25 MWp. Benin is inaugurating its first large-scale solar photovoltaic power plant. The installation, located in the locality of Illoulofin, was recently commissioned.

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 Benin to increase the national electricity production in Benin. Bioenergy can also play a crucial role in the energy sector in Benin.

Which renewable resources are available in Benin?

Of all the available renewable resources in Benin, solar has the greatest potential, and is the easiest to implement for solving problems in the Republic of Benin.

What type of energy is used in Benin?

The evolution of the electrical mix of Benin indicates that, in 2020, natural gas was the first form of energy used to produce electrical energy, representing a proportion of 71.63%. 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.

How affordable is electricity in Benin?

In 2019, in terms of the affordability of electricity for consumers, Benin obtained a score of 81 out of 100 compared with the average value, which is 77.25 out of 100. The government of Benin plans to continue its efforts to make electricity accessible to the population and ensure energy self-sufficiency.

Which institutions are working to provide access to affordable energy in Benin?

Several institutional frameworks in the energy sector in Benin are working to provide access to affordable energy in the country. The ME is the biggest institution of the energy sector, responsible for the management of the energy sector and in charge of the implementation of RE projects.

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It is worth noticing that solar PV will play a crucial role in Benin's future energy development. With solar radiation of ≤ 6.1 kWh/m²/day, the Sun shines 8 h per day in the country .

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3E, Egnon Consulting and Socreège have been assigned by the Société Béninoise d'Énergie Électrique (SBEE) to provide owner's engineering services for Benin's first utility-scale solar ...

The Benin Republic has abundant solar energy resource, which could be harnessed efficiently to increase its access rate to electricity and improve living standards. This study evaluates the techno-economic viability of installing a 10.0 MW utility-scale grid-tied solar photovoltaic (PV) system in seven cities located in Benin.

Illoulofin Solar Power Station, is a 50 megawatts (67,000 hp) solar power plant in Benin, whose first 25 MW was commissioned on 19 July 2022, and the next 25 MW is under construction and is expected to come online in 2025.

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Les Soleils du Bénin, a special purpose vehicle (SPV) jointly developed by GDS International and Africa Renewable Energy System & Solution ("ARESS"), in partnership with NEEOT Offgrid Africa, aims to construct and ...

Solar energy has the most use potential. If well planned, solar energy could make up for the country's energy deficit. Furthermore, electricity generation using biomass, in particular biogas, could help solve this problem,

and improve the country's sanitation sector.

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Benin is inaugurating its first large-scale solar photovoltaic power plant. The installation, located in the locality of Illoulofin, was recently commissioned. The reception ceremony presided over by Benin's Minister of Energy Dona Jean-Claude Houssou took place on Tuesday 19 July 2022.

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