

# **Benin Integrated Base Station Solar Energy**





## Overview

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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.

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.

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 .

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.



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### [Benin puts solar power at the heart of its energy policy](#)

Oct 16, 2025 · The government of Benin is focusing on building solar power plants as part of a policy to make renewable energy the main source of the country's energy supply by 2030.

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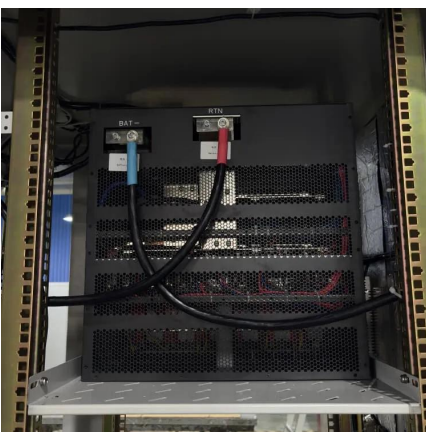
### [Benin starts building 25 MW PV plant](#)

Nov 19, 2024 · Benin has started construction of the 25 MW Forsun PV plant, which is set to join the Defisol and TTC projects to expand the Illouloufin Solar Power Station's total capacity to 75 ...



### [Toyota Tsusho's 25MW Solar Power Plant in Illouloufin, Benin](#)

Sep 29, 2025 · Toyota Tsusho Corporation, in partnership with Benin's Société béninoise de production d'électricité (SBPE) and EPC contractor RMT-Eiffage, is developing the second 25 ...



### [Benin building solar power plants for energy access](#)

Nov 25, 2024 · The Benin Least-cost Electrification Master Plan (2021), which supports the SNE, expects that by 2030, 76% of the population will be connected to the SBEE (Société Béninoise ...



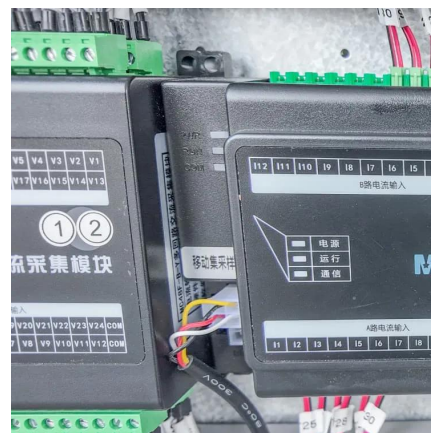
[Benin's 150 MW Solar Power Goal for 2026 Explained](#)

Jun 30, 2025 · Benin plans a major solar power expansion, aiming for 150 MW by 2026. Learn how this initiative will boost energy security, expand access, and drive economic growth.



[Benin Launches Construction of Forsun PV Plant, Boosting ...](#)

Nov 20, 2024 · The government of Benin has announced the commencement of construction on the Forsun PV power plant, a 25 MW solar project that will increase the total capacity of the ...



[Renewable energy in Benin: current situation and future ...](#)

Sep 13, 2023 · The study analyzes government targets in the energy sector of Benin with existing policies and institutional frameworks. Recommendations are made for the b





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