

## Kongres Container

# What are the communication wind power base stations in Burkina Faso



## Overview

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Is Burkina Faso suitable for solar power projects?

This suitability assessment was carried out at the request of the Government of Burkina Faso to map potential areas for utility-scale solar photovoltaic (PV) and wind projects. Currently, less than 25% of the population has access to electricity and the majority of those with access live in urban areas.

Can Burkina Faso achieve 95% electricity access?

The country aims to reach 95% electricity access, with 50% in rural areas and universal access to clean cooking solutions in urban areas, with 65% in rural areas by 2030, up from 9% in 2020. The utilisation of Burkina Faso's renewable resource potential would enable the country to reduce its heavy reliance on thermal generation and energy imports.

How many solar power plants are in Burkina Faso?

"Burkina Faso: 2 solar photovoltaic power plants (68 MWp) inaugurated in Kodéni and Pâ". Afrik21.africa. Paris, France. Retrieved 5 January 2024. ^ Jean Marie Takouleu (25 October 2021). "Burkina Faso: Africa Ren launches the construction of the Kodenéni Solar plant in PPP". Afrik21.africa. Paris, France. Retrieved 31 October 2021.

What is Burkina Faso's road network?

The road network considered in this analysis was provided by the National Observatory of Territorial Economy office in Burkina Faso. It includes the national, regional and departmental roads across the country as shown in Figure 6. Figure 6. Burkina Faso's road network.

How accurate is land cover classification in Burkina Faso?

This dataset has been extensively validated using in situ information from 3 134 stations around the world. As such, the accuracy of the land cover classification is approximately 62.6% (Bontemps, et. al, 2011). Figure 8

shows the land cover for Burkina Faso.

Where did the wind resource data come from?

The annual average wind resource data considered in this study were sourced from the Global Wind Atlas (GWA 1.0) developed by the Technical University of Denmark (DTU) in collaboration with IRENA and other international institutes (Figure 3).

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