

**EQACC SOLAR**

# **Burkina Faso solar container communication station wind and solar complementarity**



## 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 will Burkina Faso improve electricity trade with neighbouring countries?

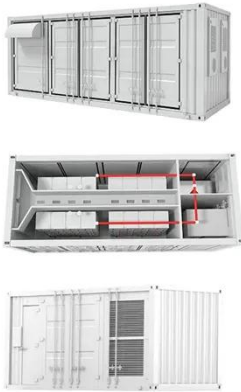
Additionally, the results from this report are intended to inform the design and development of the country's regional projects as Burkina Faso is planning to enhance electricity trade with neighbouring countries through regional interconnectors with Benin, Niger, Nigeria and Togo.

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

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## UTILITY-SCALE SOLAR AND WIND AREAS UTILITY-SCALE

**EXECUTIVE SUMMARY** This study seeks to map areas in Burkina Faso that are suitable for deploying utility-scale solar photovoltaic (PV) and wind power projects. It aims to i) ...

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## 10.11648.j.ijepe.20231203.12

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## Kodéni solar

The Kodéni Solar project has made a number of commitments based on the needs expressed by the community, particularly in terms of infrastructure and education.

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Burkina Faso relaunches solar project bids for Konéan and Kodéni, targeting 120 MW of solar power with advanced storage to boost renewable energy infrastructure.

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