

# Burkina Faso rooftop solar power generation system





## Overview

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How can solar energy production be achieved in Burkina Faso?

This objective can be achieved through the development of solar energy production in Burkina Faso, a country with an estimated solar irradiation of 5.5 kWh/m<sup>2</sup>/day. The construction of the ZGCPVS plant has played a significant role in expanding the available electricity supply and reducing the production cost per kilowatt-hour.

How much electricity does Burkina Faso generate?

According to the 2020 report from Burkina Faso's National Electricity Company (SONABEL), the national electricity generation fleet's nominal installed capacity at the end of 2020 was 366.05 MW. The distribution of this capacity was as follows: 299.95 MW from fuel thermal generation, 32 MW from hydroelectric power, and 34.1 MW from solar PV.

What changes have been made in Burkina Faso since the last iteration?

UNCILMajor changesSince the last iteration, significant progress has been made with the successive commissioning of new solar power plants in Burkina Faso in 2024, and the continuation of electrification efforts despite the security crisis. The national coverage rate has increased to 50%, compared to a national electrification rate.

How much solar power will Burkina Faso produce in 2020?

In 2020, the combined electricity generation from the Zagtouli and Ziga plants will account for nearly 3% of the country's total electricity production. Figure 1 and Figure 2, presented below, illustrate the annual installed solar PV capacity worldwide and in Burkina Faso, respectively, from 2011 to 2020. Figure 1.



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47 generation projects with a total capacity of 15.49 GW and an estimated cost of USD 25.9 billion (10.67 GW of renewable energy, of which 3.15 GW is solar and wind; this includes two solar ...

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Mar 27, 2024 · Considering that Burkina Faso is a predominantly rural country, developing mini-grids or isolated PV rooftop systems is also a very convenient option to consider, since these



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### [Faso Energy: Burkina Faso's Solar Factory Leads Clean Energy](#)

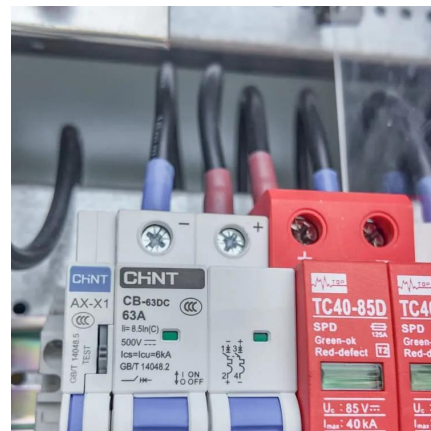
Jun 23, 2025 · The Faso Energy Solar Panel Factory is more than a production facility--it is a symbol of Burkina Faso's commitment to sustainable energy and economic growth. As the

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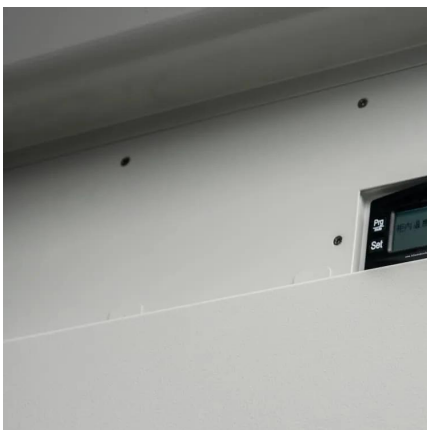
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