

## Kongres Container

# Does the Democratic Republic of Congo produce solar panels



## Overview

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The Democratic Republic of Congo has inaugurated a 120 kW hybrid solar plant in Mambasa, Ituri province, under the Green Energy Post-Pandemic Initiative. Could solar power be the future of energy in Congo?

Congo is one of the top five oil producers in Sub-Saharan Africa. But despite its rich energy resources, the electrification rate is low, especially in rural areas, mainly because of a lack of electricity infrastructure. But solar power could be the future as it is also said to be cheaper for households.

What does the Democratic Republic of Congo want to do?

Simultaneously, the country seeks to expand renewable energy, increase the electrification rate to 32%, and promote cleaner fuel use. The Democratic Republic of Congo has inaugurated a 120 kW hybrid solar plant in Mambasa, Ituri province, under the Green Energy Post-Pandemic Initiative.

Does the DRC have solar power?

Solar In addition to hydropower, the DRC possesses significant potential for solar energy, offering a potential of 70 GW with noticeably high solar radiation averaging 6 kWh/m<sup>2</sup>/day.

Why are solar-powered filtration systems being installed in the Republic of Congo?

To reduce water pollution in the Republic of Congo, solar-powered filtration systems have been installed to purify water.

How much power does the DRC have?

Despite the DRC's immense endowment of varied renewable energy potential which includes hydroelectric, biomass, solar, wind and geothermal power, the current installed generating capacity is approximately 2,844 MW, providing access to merely 19% of its nearly 85 million-strong population.

What is the potential for wind energy in the DRC?

Wind Meanwhile, potential for wind energy in the DRC is also significant and largely untapped. Offering a potential of 15 GW, with wind speeds averaging 6-6.6m/s throughout the country, there are a number of high potential areas where wind power could be leveraged across the country.

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