

## Kongres Container

# How many watts of solar power does Zambia generate



## Overview

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How much solar power does Zambia have?

Zambia's installed solar capacity is 89 MW. Zambia has two utility scale solar power plants: French company, Neoen, and U.S. company, First Solar, own and operate the 47.5 MW Bangweulu Solar Power Station in Lusaka, of which the Zambian government holds a 20 percent stake through its Industrial Development Corporation (IDC).

How much electricity does Zambia produce?

Zambia has 2,800 MW of installed electricity generation capacity, of which 83 percent is from hydro, nine percent from coal, five percent from heavy fuel oil, and three percent from solar. The mining sector is the country's largest power consumer, using 51 percent of total generated electricity, followed by the domestic sector at 33 percent.

Can solar power help combat energy poverty in Zambia?

To help combat this issue, the government is investing in a new source of renewable energy: solar power. Solar power in Zambia has the potential to transform the country's economy along with the lives of citizens. The U.N. defines energy poverty as a lack of "access to affordable, reliable, sustainable and modern energy."

What is the energy sector in Zambia?

**ZAMBIA'S ENERGY SECTOR OVERVIEW** Zambia's energy resources include electricity (hydropower), petroleum, coal, biomass and renewable energy. It is only petroleum which is wholly imported in the country. The Energy Sector in Zambia consists of three main sub-sectors namely: Electricity, Renewable Energy and Petroleum. **ELECTRICITY SUB-SECTOR.**

Can solar power boost Zambia's economy?

The development of solar power in Zambia has the potential to sustainably lift

millions out of energy poverty, improving the lives of individual citizens and jumpstarting Zambia's economy as a whole. The Kariba Dam is one of Zambia's largest hydroelectric constructions.

Could solar power be the solution in Zambia?

Implementing solar power in Zambia could be the solution. When droughts began to cause extensive blackouts, ZESCO, the leading state-owned power company in Zambia, had "to raise tariffs by as much as 200%" in 2019 to afford the cost of importing power from South Africa.

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