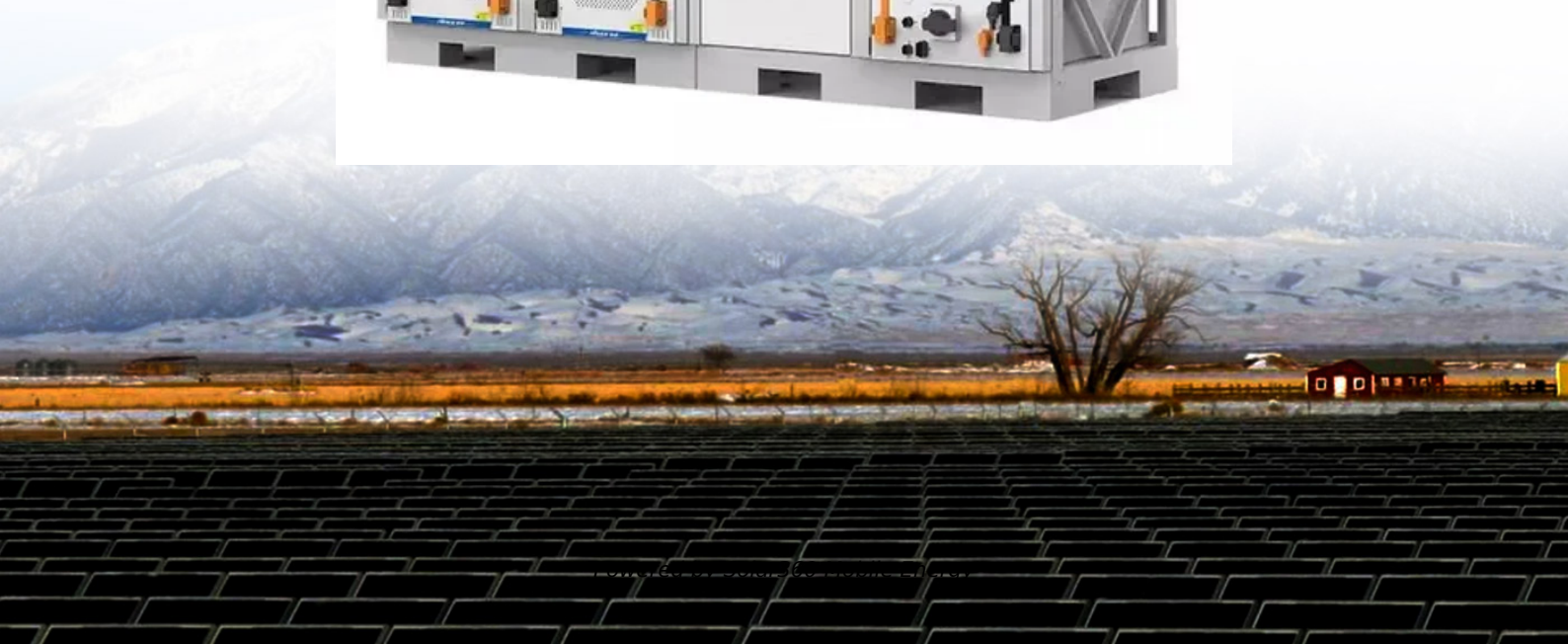


# **Government subsidy for containerized solar power plant in Zambia**





## Overview

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The aim of a subsidy, in this case for the installation of a solar power system, is to help businesses and communities with limited funds to gain access to such systems nonetheless. This helps the targeted market to grow. In the case of (solar) energy subsidies, the aim is to increase the amount of systems installed.

A good start to look for subsidies would be the government, but also NGOs provide energy subsidies in Zambia. There are various types of both direct and indirect subsidies available for solar power.

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Supporting the Government of Zambia catalyze private investment in the renewable energy sector to boost electricity generation and diversify the country's energy mix. Energy generation in Zambia relies almost entirely on hydro power, accounting for nearly 90 percent of its total installed.

Zambia's Ministry of Energy has announced that it has finalised a deal for the installation of 50 megawatts (MW) of solar power across 209 public institutions in the country's Eastern Province. In a statement on its official Facebook page, the Ministry said the deal is between Zambian firm Accura.

Zambia commissioned a 100MW solar power plant in Chisamba on 30 June 2025 as part of efforts to reduce hydroelectric dependence and support energy diversification. The USD 100 million project aims to increase national power generation capacity to 1,000MW by the end of 2025. Zambia commissioned a.

Zambia has officially signed a US\$100 million agreement for one of the largest standalone solar energy projects in Sub-Saharan Africa, outside South



Africa—marking a major step in the country's energy transition. The 100-megawatt (MW) Chisamba Solar Photovoltaic (PV) Project, led by the Kariba.

re drought that has reduced power generation capacity. As a consequence, to these effects, there is urgent need to identify other Renewable and Alternative Energy sources of supply to the Country's power needs to mitigate generation requireme neering Procurement Construction (EPC) plus Financing.What is Zambia doing to improve energy security and sustainability?

The Zambian government has taken a major step toward energy security and sustainability with the signing of Power Purchase Agreements (PPAs) under the Micro-Generator Scheme and Presidential Solar Initiative.

How has Zambia diversified its energy sources?

Zambia has also realized the need to diversify its energy sources through increased use of solar energy. It has implemented two utility-scale solar power plants (54 megawatts and 34 megawatts) in Lusaka south multi-facility economic zone under the World Bank Scaling Solar initiative , .

Will Zambia's hydro-based power plants help curb power shortages?

Zambia's Minister of Energy, Mathew Nkhuwa, said the projects will not only curb power shortages and provide a source of energy that complements Zambia's hydro-based system, they "will allow the government of Zambia to reduce its electricity purchase from expensive diesel power plants."

Can solar power save money in Zambia?

With its year-round sunshine and geographical location, Zambia is well positioned to integrate solar power into its energy mix dominated by climate-vulnerable hydropower. "The Scaling Solar Project will make Zambia save significant amounts of money in the long run," said Ina Ruthenberg, World Bank Country Manager for Zambia.

How much will Zambia save from hydropower plants?

Based on initial assumptions, Zambia's savings over the first 25 years would be about \$163 million per 50 MW power plant. The first two plants will increase the country's available generating capacity by 5% and will help restore water levels in its hydropower dams.



## How can solar mini-grids improve sustainability in Zambia?

Therefore in order to improve sustainability, a multi-dimensional approach is needed. Currently, operators of solar mini-grid in Zambia include government or government agencies such as the Rural Electrification Authority (REA), the National Technology and Business Council (NTBC), community/cooperatives, or private investors.



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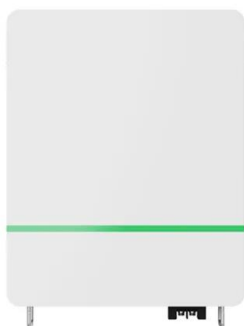


### [IDC seals solar deal with Solarcentury Africa to co ...](#)

The Industrial Development Corporation Limited (IDC) has reportedly signed a Heads of Terms agreement with Solarcentury Africa Limited to co-develop a 67-megawatt peak (MWp) solar power plant in Zambia. The ...

### [Government Solar Panel Scheme , Five Solar Panel ...](#)

A solar panel government subsidy is like a financial boost from the government to help you afford solar panels. These subsidies, which may include tax credits, rebates, or grants, aim to make renewable energy more accessible to ...



### [Zambia secures \\$40 million deal to power 209 public ...](#)

In a statement on its official Facebook page, the Ministry said the deal is between Zambian firm Accura Logistics and international investor Baker Tilly Global Capital Africa and will see 209 public institutions being electrified ...

### [Zambia Commissions 100MW Solar Power Plant in ...](#)

It aims to reduce Zambia's reliance on hydroelectric power, which is vulnerable to climate shocks such as prolonged droughts, and



is part of a wider government plan to increase national power generation capacity to 1,000 MW ...



### [Renewable Energy Laws and Regulations Report](#)

In Zambia, renewable energy, primarily from hydropower, plays a crucial role in meeting domestic electricity demand, with major facilities like Kafue Gorge and Kariba North Bank contributing significantly. Solar power is also ...

### [Unlocking Low-Cost, Large-Scale Solar Power in Zambia](#)

Constructed with support from the World Bank Group through the International Finance Corporation (IFC) and in partnership with the Government of Canada, Zambia is the first country in Sub-Saharan Africa to implement a Scaling Solar ...



### **ZESCO Limited**

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