



MODERNIZATION SOLAR

Distributed solar and energy storage in Zimbabwe





Overview

How much electricity does Zimbabwe generate?

Zimbabwe relies heavily on hydro-powered resources to generate electricity. As per the International Renewable Energy Agency (IRENA), Zimbabwe generated around 7 TWh of electricity in 2021 via hydro-powered resources, accounting for 58.2 % of the total electricity generated in the country.

What is Zimbabwe's energy demand?

Zimbabwe's increased economic activity in various sectors, including housing development and construction, has fueled a demand for energy and electricity demand in general. The Government of Zimbabwe estimates the surge in power demand to peak at 2000 MW in 2023, as compared to 1200 MW in 2021.

How much does a solar IPP cost in Zimbabwe?

In December 2022, Zimbabwe announced a government implementation agreement (GIA) to expedite the commissioning of 27 solar IPP installations. The 1 GW of projects range from 5 MW arrays to 100 MW solar parks and will cost about USD 1 billion in total.

How has Zimbabwe increased its power generation capacity in 2021?

The government of Zimbabwe has increased its focus on increasing power generation capacity by integrating renewables into the mix. As of 2021, the installed renewable energy capacity was 1,211 MW compared to 878 in 2015. The installed capacity in the country has increased by almost 38%.



Distributed solar and energy storage in Zimbabwe



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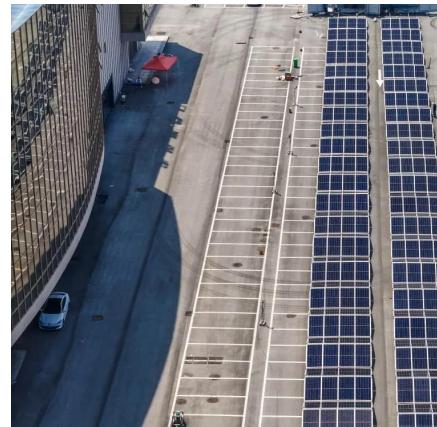


[Renewable energy investment factsheet: Zimbabwe](#)

In addition, to attract private sector participation, Zimbabwe offers tax incentives, duty-free solar imports, and Independent Power Producer (IPP) opportunities. With over \$1 billion secured in ...

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[Solar Energy in Zimbabwe & Zambia: Market Analysis 2025](#)

Apr 28, 2025 · Comprehensive 2025 analysis of Zimbabwe & Zambia's solar energy industry: policies, growth opportunities, and how Pristine Power Solutions leverages this potential.



[Top 12 Energy Storage Companies in Zimbabwe \(2025\) , ensun](#)

Power Life Energy is a renewable energy firm that specializes in advanced energy solutions, including the development of large solar energy systems. Their expertise in electrical ...



[TCL Solar and Grid Africa to deploy distributed renewable energy](#)

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Zimbabwe's first renewable energy fund: Building a distributed energy

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TCL Solar and Grid Africa to deploy distributed energy in Zimbabwe ...

Apr 21, 2025 · TCL Solar has partnered with Grid Africa to develop 100 MW of distributed solar photovoltaic and battery storage systems across Zimbabwe and Zambia. The initiative will ...



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[Zimbabwe in bid to accelerate clean energy transition](#)

Dec 4, 2025 · Nelson Gahadza, Senior Business Writer Zimbabwe is intensifying efforts towards renewable energy transition, with the Government committing to expand rural electrification, ...

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