

## SolarTech Power Solutions

# Can outdoor power supply be used in Zimbabwe



## Overview

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What is the energy supply in Zimbabwe 2021?

In 2021, energy supply in Zimbabwe is a mix of hydropower (70%), coal (29%) and renewable energy sources, according to the Zimbabwe Energy Regulatory Authority. Over the past five years, independent power producers (IPPs) have explored alternative energy sources such as solar, wind, geothermal, biofuels and biomass.

What is Zimbabwe's energy infrastructure?

Without a doubt, Zimbabwe's energy infrastructure is in dire need of massive improvements in order to stabilize and centralize the nation's domestic energy output. The renewable energy potential of Zimbabwe is revolves around 3 main aspects: hydropower, solar power, and biogas.

How does Zimbabwe contribute to its energy supply?

Zimbabwe's coal supply significantly contributes to its energy provision, accounting for 12.9% of the total energy supply in 2021. Coal is a widely exchanged fossil fuel, and its burning is accountable for many global CO<sub>2</sub> emissions. Figure 2 shows Zimbabwe's position in both African and global ranking across different indicators.

What is Zimbabwe's energy policy?

Overcoming implementation challenges and attracting investment are crucial for a sustainable energy future in Zimbabwe. To address this, the government has implemented various policies, with a recent focus on renewable energy sources. Table 2 summarizes key aspects of Zimbabwe's energy policy landscape.

How much power does Zimbabwe import?

Currently power imports stand at around 400 MW. Industry and Commerce have struggled partly due to acute power shortages being experienced in the country. The Government of Zimbabwe has prioritised energy projects as one

of the key enablers to economic growth and development.

Is Zimbabwe achieving universal electricity access?

Despite recent achievements, Zimbabwe's electricity sector still faces power supply deficits and slow progress toward universal electricity access. Peak electricity demand is projected to grow substantially, and achieving universal electricity access will require large investments, especially in solar power and grid expansion.

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