

Zimbabwe s new energy storage requirements





Overview

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 summarises key aspects of Zimbabwe's energy policy landscape.

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 CO₂ emissions. Figure 2 shows Zimbabwe's position in both African and global ranking across different indicators.

Can RES integration improve energy security in Zimbabwe?

By harnessing Zimbabwe's abundant renewable resources, such as hydroelectric, solar, and wind power, an opportunity exists to enhance energy security, reduce reliance on fossil fuels, and promote sustainable industrial growth. This paper delves into the potential of RES integration in the Zimbabwean industry.

Which energy sources are most important in Zimbabwe in 2021?

In 2021, hydropower constituted 70% of the overall electricity production but with one of the least energy intensities. As can be seen from Figure 1, Zimbabwe is actively giving higher importance to renewable energy sources to reduce CO₂ emissions and lessen dependence on imported fossil fuels.



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