

SolarTech Power Solutions

Solar panels in rural Zambia



Overview

In sunny Zambia, fewer than 6% of rural people have access to electricity, leaving over 94% in darkness. Zambia could tap into solar power to light up its rural areas, but this potential has yet to be exploited. So far, only 3.23% of its installed electricity generation capacity is.

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In collaboration with the World Bank, the Common Market for Eastern and Southern Africa (COMESA), the Africa Minigrid Development Association (AMDA), and other partners, the Government of Zambia is redoubling its efforts to invest in off-grid solar energy throughout the country to connect all.

In Zambia, a country with much solar potential, less than 6% of rural residents have access to power, leaving over 94% of them in the dark. Despite its ability to capture solar energy, only 3.23% of the nation's existing electricity generation is solar-based. This is mainly used for essential.

Zambia is advancing toward universal electricity access, with nearly 50% of its population connected to power, up from 30% in 2017 (World Bank, 2025). Yet, 8.5 million Zambians, primarily in rural areas, lack electricity due to the high costs and logistical challenges of extending traditional.

Solar power holds untapped potential to illuminate rural areas in Zambia, where only 6% have access to electricity In sunny Zambia, fewer than 6 per cent of rural people have access to electricity, leaving over 94 per cent in darkness. Zambia could tap into solar power to light up its rural areas.

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