

## A-Core Container

# Botswana s new outdoor power market



## Overview

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Botswana is poised for a significant transformation in its energy sector, with the government unveiling plans to modernize the power industry and shift towards a solar-dominated energy landscape. This strategic move, highlighted in the 2025 Budget Speech, aims to enhance efficiency, foster.

Botswana, a landlocked country in Southern Africa, is endowed with abundant renewable energy resources, including solar, wind, biomass, and hydro. The government of Botswana has recognized the importance of transitioning towards clean and renewable sources of energy to reduce its dependence on.

The Botswana renewable energy market presents a compelling investment opportunity, exhibiting robust growth potential driven by increasing electricity demand, government support for sustainable energy solutions, and the country's abundant solar and wind resources. With a Compound Annual Growth Rate.

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With over 300 days of annual sunshine and vast arid landscapes, this Southern African nation is uniquely positioned to lead in outdoor energy storage solutions. But here's the kicker – despite having some of Africa's highest solar irradiation levels (up to 6.5 kWh/m<sup>2</sup>/day), Botswana still imports. How will Botswana Power Projects be implemented?

These projects, with a combined capacity of 1.5GW, will be implemented through private sector investment, with the Botswana Power Corporation (BPC) acting as the offtaker under long-term Power Purchase Agreements (PPAs) of up to 25 years.

How much electricity does Botswana use a year?

Botswana currently consumes approximately 4,800 gigawatt-hours (GWh) of electricity per year, with a peak demand of 680 megawatts (MW) and a base load of 400 MW. Demand is projected to rise by five percent annually, reaching 7, 000 GWh by 2040.

How much shareholding does Botswana need to invest in solar?

“Utility-scale projects by foreign private sector entities require at least 40% mandatory shareholding by Botswana citizen-owned companies. However, small-scale solar PV investments are reserved for 100% citizen-owned companies,” Kenewendo added.

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