

# **Botswana coal-to-electricity energy storage products**





## Overview

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Where does Botswana get its power?

In 2023, BPC agreed to procure up to 600 MW of power generation from a yet-to-be-built coal-fired power station. Additionally, Botswana imports the bulk of its power from South African utility Eskom, and the rest from Nampower (Namibia), Zesco (Zambia), and the Southern African Power Pool (SAPP), to make up for any production shortfalls.

Does Botswana have a good electricity supply?

According to Statistics Botswana, local electricity generation and distribution has showed a slight improvement, increasing by 10.2 percent from 807,943 MWh during the fourth quarter of 2022 to 890,655 MWh during the first quarter of 2023. The increase was attributable to the performance improvement of Morupule A and B power stations.

Is Botswana a coal-dependent country?

Botswana's energy sector remains largely coal-dependent, with coal accounting for 99% of the country's 890MW installed capacity. However, the government has committed to an RE shift. The country's first Integrated Resource Plan (IRP), approved in 2020, identifies priority renewable and thermal energy projects to meet growing demand.

How much electricity does Botswana import?

The country also imported nearly 1,1 million MWh to supplement its supply. In 2023, Botswana imported \$156m in electricity, mainly from Zambia (\$79m), Mozambique (\$34,8m), South Africa (\$31,9m), Namibia (\$8,54M) and Zimbabwe (\$1,54M), according to the Observatory of Economic Complexity.



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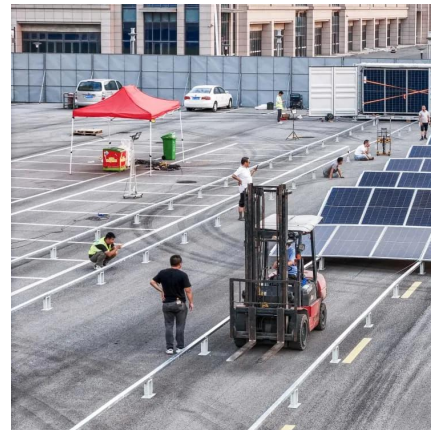


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