

## Kongres Container

# Zambia office building energy storage equipment



## Overview

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Can battery storage be used with solar photovoltaics in Zambia?

The Zambian regulation foresees customs duty and VAT exemptions for most equipment used in renewable energy or battery storage projects. Detailed information is provided in In this section, we discuss the opportunity of battery storage in combination with solar photovoltaics from a financial point of view.

Why should German and European service providers invest in Zambia?

For German and European service providers active in the energy sector, Zambia presents significant potential for business development. There are clear needs across the solar energy and storage value chain, including project development and financing, equipment manufacturing, system integration and contracting.

How much does a solar battery cost in Zambia?

Africa Clean Energy Technical Assistance Facility. (2022). Customs Handbook for Solar PV Products in Zambia. Bloomberg New Energy Finance. (2022, December 6). Lithium-ion Battery Pack Prices Rise for First Time to an Average of \$151/kWh.

What does the Electricity Act do in Zambia?

The Electricity Act regulates the generation, transmission, distribution and supply of electricity to enhance the security and reliability of electricity supply in Zambia. It codifies the rules on tariff setting and introduces the concept of intermediary power trading, a concept that was missing from the previous regulatory framework.

What are the best business cases for energy storage?

At present, the best business cases for energy storage complementary to the electricity grid as back-up or to improve power quality, or for off-grid energy uses, such as in remote areas.

What are the main industries in Zambia?

Agriculture contributes about 19% to Zambia's GDP and employs at least 75% of the population (Zam-Stats, 2022). Domestic production comprises crops such as maize, sorghum, millet and cassava, while exports are largely driven by sugar, soya beans, coffee, groundnut, rice and cotton as well as floriculture and horticulture.

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