

## Kongres Container

# Namibia energy storage battery recommendation



## Overview

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By 2030 the Namibian government plans to increase the share of renewable energies (RE) in its electricity generation from around 30% to 70%. With a growing share of RE the need for measures to maintain and improve energy supply stability is also growing. A battery storage system such as the KfW.

Lithium-ion batteries offer a significantly longer lifespan than lead-acid batteries, often lasting several years longer under typical solar use. This means fewer replacements, less downtime, and greater peace of mind for users in remote or rural areas where maintenance can be challenging [1], [2].

NamPower, Namibia's state-owned power utility, has signed a contract with a Chinese joint venture to build the first utility-scale battery energy storage system (BESS) in the country and the Southern African region. The contract was awarded to Shandong Electrical, Engineering & Equipment Group Co.

In December 2023, the country signed contracts for its first utility-scale battery energy storage system (BESS) - a 54MW/54MWh project at Omburu Substation [1] [2]. But why should the world care about this project in a nation of 2.5 million people?

Wait, no - it's not just about keeping lights on.

The country has taken a significant leap toward securing a stable and renewable energy future with the arrival of the first major equipment for the 51-megawatt (MW) Omburu Battery Energy Storage System (BESS) project.

This groundbreaking initiative marks the country's first utility-scale battery.

This lithium-ion battery marvel – think of it as a "gigantic phone charger for cities" – is set to store 100MWh of solar and wind energy. But why should you care?

Well, if you've ever cursed during a blackout while binge-watching Netflix, this project might just be your future savior. Unlike your.

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