

## SolarInnovate Energy Solutions

# South Africa Energy Storage Power Station Project



## Overview

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Updated 1st July 2025 – The Red Sands Battery Energy Storage System (BESS), set to be Africa's largest of its kind, has officially reached commercial close. Does South Africa have a battery energy storage project?

In a significant advancement toward enhancing its national power infrastructure, South Africa has officially moved forward with two major battery energy storage projects. Dr.

Where will the battery energy storage project be implemented?

The Project will be implemented at approximately 17 sites, located within or adjacent to existing distribution substations of Eskom, across four provinces of South Africa. The Battery Energy Storage Project (Project) provides a solution to address both challenges.

Is Eskom launching a battery energy storage system in South Africa?

Friday, 10 November 2023: Eskom unveiled the first of its kind largest Battery Energy Storage System (BESS) project not only in South Africa but in the African continent. Eskom officially opened the Hex BESS site at Worcester in the Western Cape yesterday.

How long has the Kenhardt power station been operational?

The Kenhardt Power Station, a landmark project in South Africa's renewable energy landscape, has been operational for one year, powered by BYD Energy Storage solutions.

When will a battery energy storage project close?

This last project is finalising preparations and final conditions to reach commercial close in early 2025. "A further two battery energy storage bid windows are currently underway. Bid Window 2 (totalling 615M) is currently in the evaluation phase, with bid announcements expected within the next few weeks.

Why is South Africa facing a power shortage?

At the same time, South Africa is facing power shortages due to aging generating assets and delayed completion of new generation facilities. To meet the electricity demand, Eskom has to run diesel-based power plants during peak hours and implements load shedding to prevent failure of power grid.

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### South Africa: Eskom seeks battery storage , African Energy

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