

# **Procurement of energy storage equipment for the Johannesburg power grid in South Africa**





## Overview

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Does South Africa have a battery storage tender programme?

South Africa is aiming to procure utility-scale battery storage with two tender programmes: its Battery Storage IPP Procurement Programme as well as hybrid battery storage and variable renewables projects through its Risk Mitigation IPP Procurement Programme.

How much battery storage capacity does South Africa have?

By the end of the third tender, South Africa is projected to have a total battery energy storage capacity of approximately 3,183 MWh. This capacity is sufficient to power an estimated 250,000 homes during peak demand periods. The graph below illustrates the growth in battery storage capacity over the three tenders.

Why should South Africa Invest in battery storage?

As South Africa grapples with the challenge of meeting its growing energy demands while transitioning to cleaner energy sources, Eskom's initiatives in battery storage are critical for ensuring grid stability and reducing reliance on coal-fired power plants.

How much does a battery storage project cost in South Africa?

The commitment to battery storage solutions is becoming increasingly significant as South Africa faces ongoing energy challenges and seeks to augment the integration of renewable power sources. The estimated cost of the Mogobe BESS project stands at ZAR 3bn (US\$170m), with the primary funding — about 90% — sourced from non-recourse project debt.



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### [South Africa: government's 11GWh BESS](#)

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The government of South Africa has secured nearly 1.7GW/11GWh of grid-scale BESS capacity via various procurement programmes, though questions have been raised around their integrity

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### [South African battery storage procurement draws 33 bids](#)

The list of preferred bidders for the third window of South Africa's Battery Energy Storage Independent Power Producers Procurement Program (BESIPPPP) will be announced ...



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As South Africa advances its energy procurement and grid stabilisation strategies through these critical projects, the role of entities like Scatec and Standard Bank will be ...

### **South Africa Selects Preferred Bidders for 616 MW Battery Storage**

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The Department of Mineral Resources and Energy (DMRE) has officially announced the five preferred bidders for South Africa's third Battery



Energy Storage Independent Power ...



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In November 2023, South Africa announced preferred bidders for the first Battery Energy Storage IPP Procurement Programme tender, which - if all implemented in full - would ...



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