

## **PDEOZE PowerContainer**

# **Pretoria Enterprise Energy Storage Battery**



## Overview

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This first grid-scale private sector energy storage programme in South Africa was launched on 7 March 2023, and is a critical measure to assist in increasing the available grid capacity in the Northern Cape Supply Area through the utilisation of energy storage. 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.

Why is battery storage important in South Africa?

In South Africa, battery storage is increasingly seen as a key pillar to help provide grid stability and integrate variable renewables given its ageing coal-fired power fleet and grid.

Will solar batteries help South Africa's energy grid?

South Africa's state-owned utility Eskom anticipates that these projects will showcase the effectiveness of batteries in facilitating the integration of renewable energy into the country's energy mix, while simultaneously easing the strain on the national electricity grid.

What is a battery energy storage IPP tender?

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 add 360 MW of dispatchable battery storage capacity to the national grid, and are now expected to enter into power purchase agreements (PPAs) negotiations with Eskom.

Who buys the electricity in the IPP programme?

The Economic Development commitments remain a cornerstone of the IPP

Programmes. The procurer, in respect of the procurement programme, will be the Department of Mineral Resources and Energy and the electricity must be purchased by Eskom Holdings SOC Limited designated as the buyer.

Can Utility-scale battery storage improve grid stability?

Utility-scale battery storage could be one pillar to provide additional grid stability by helping to meet peak demand, help integrate variable renewables, and, especially for industrial consumers, provide continuous electricity during load shedding and outages.

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The tender calls for the procurement of 616 MW/2,464 MWh of battery energy storage systems in South Africa. Energy Capital & Power The second bid window for the program is currently ...

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