

## SolarGrid Energy Solutions

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



## Overview

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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. Who is bidding for battery energy storage in South Africa?

South Africa's Independent Power Producers (IPP) Office has said 33 bids have been received as part of the third window of the country's battery energy storage auctions. The bids have come from 28 companies, with two bidding for multiple sites. The bidders include France's TotalEnergies, which has made several submissions.

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.

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.

Why is the South African government using IPP to allocate battery storage?

In 2022, this led to unprecedented load shedding of more than 8 terawatt-hours (TWh), which was a fourfold increase in unmet demand compared with the previous year. As a result, the South African government is using its Independent Power Producer (IPP) Procurement Programmes to allocate firm capacity, including battery storage.

Will solar batteries help South Africa's energy grid?

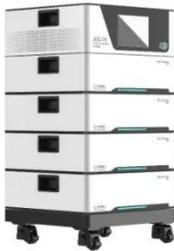
South Africa's state-owned utility Eskom anticipates that these projects will showcase the effectiveness of batteries in facilitating the integration of renewable energy into the country's energy mix, while simultaneously easing the strain on the national electricity grid.

What is the battery energy storage programme?

The evaluation process, conducted by an Independent Bid Evaluation Committee under strict security measures, took place at the IPP Office. The Battery Energy Storage Programme is a critical initiative aimed at enhancing South Africa's power system by providing essential ancillary services and increasing grid capacity through energy storage.

## Procurement of energy storage equipment for the Johannesburg po

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### South Africa: Globeleq, TotalEnergies bid for ...

Nov 29, 2024 · A list of bids for the window 3 of South Africa's Battery Energy Storage Independent Power Producer Procurement Programme (BESIPPPP) ...

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### The state of renewable energy development in South Africa: ...

Dec 1, 2021 · The rising energy demand has started to overwhelm the existing power generating plants in South Africa. Also, the conventional electricity generating plants are largely ...



### Giant batteries to store wind and solar power ...

Aug 26, 2024 · To harness its abundant sunlight and wind, South Africa needs renewable energy storage systems to store this clean power. The government ...

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Procuring Energy Solutions from Independent Power Producers to secure new generation power for South Africa. Available Documents Browse through our ...

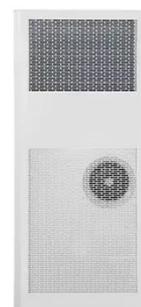


### **33 Bids Submitted for South Africa's Battery ...**

Dec 3, 2024 · This round of procurement targets 616 MW of battery energy storage capacity across five designated sites in the Free State: Harvard, ...

### **South Africa launches 616 MW/2,464 MWh ...**

Apr 4, 2024 · The Department of Mineral Resources and Energy (DMRE) of South Africa has opened the third bid window for its Battery Energy Storage IPP ...



### **SA's battery energy storage gets a R4.7 billion ...**

Nov 20, 2024 · Minister of Electricity and Energy Dr Kgosisentsho Ramokgopa announced the successful signing of project agreements and the commercial

...



## ENERGY STORAGE

Nov 27, 2024 · The Department has launched the third bid round under the Battery Energy Storage Independent Power Producers Procurement ...



## South Africa's power generation pipeline and ...

Nov 11, 2022 · Two main maps of South Africa show committed generation (MW) by province/Eskom supply area (including power flows through the ...

## South Africa: Globeleq, TotalEnergies bid for ...

Nov 29, 2024 · The Ministry of Electricity and Energy revealed the 33 bids yesterday (28 November), which are offering to build battery energy storage

...



### Scatec: South Africa's Green Procurement Plan in ...

Oct 21, 2024 · Scatec ASA, a prominent renewable energy company based in Norway, has finalised the financial arrangements for its Mogobe Battery ...

### Mulilo and Scatec emerge as preferred bidders ...

May 30, 2025 · Independent power producers (IPPs) Mulilo and Scatec have been named as preferred bidders to develop 616 MW/2 464 MWh of new ...



### Policy Hurdles Impeding Battery Energy Storage ...

Nov 5, 2024 · Considering that the main reason for installing battery energy storage is load shedding resilience and / or backup power makes a very good

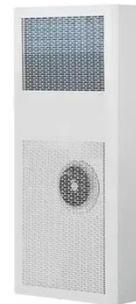
battery energy storage case for ...



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## IPP Renewables

Feb 16, 2013 · Hydro turbines convert the energy from falling or flowing water (kinetic energy) into rotating shaft power (rotating mechanical energy). The ...



## Solar, Wind, Gas (LPG, Hydrogen) and Other Renewable Energy Tenders

Solar, Wind, Gas (LPG, Hydrogen) and Other Renewable Energy Tenders. Tender Bulletins that contain tenders in the Solar, Wind, Gas (LPG, Hydrogen) and Other Renewable Energy ...

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## Envision Energy and EDF Group Sign Supply ...

In the same month, BYD Energy Storage officially connected its full suite of storage equipment at the Kenhardt

Power Station to South Africa's national

...



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### **South Africa Advances in Battery Energy Storage ...**

Jan 18, 2024 · South Africa is making significant progress in developing battery energy storage systems (BESS) that can support the integration of renewable ...



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### **AMEA Power Awarded Two Major Standalone ...**

Jan 6, 2025 · AMEA Power awarded two projects through Bid Window 2 of the Battery Energy Storage Independent Power Producers Procurement ...



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### **South Africa's IPP procurement model under review amid ...**

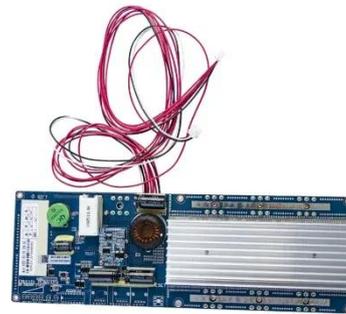
Jun 6, 2025 · South Africa's Independent Power Producer Office (IPPO) has confirmed that it is undertaking a comprehensive review of the country's

public procurement framework for ...



### Minister Kgosientsho Ramokgopa on Battery Energy Storage ...

May 30, 2025 · The Minister of Electricity and Energy, Hon. Dr. Kgosientsho Ramokgopa, has announced the appointment of five (5) Preferred Bidders under the Battery Energy Storage ...



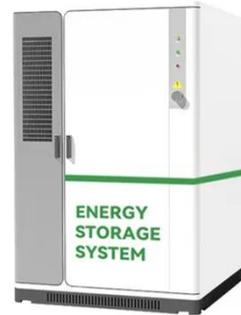
### EPC Projects for Solar Energy & Battery Storage , Symtech ...

4 days ago · The aim of Symtech Renewable Africa, is to jointly pursue turnkey renewable energy solutions and services that include design, manufacturing, supply, marketing, sales and ...

### BESS 101: Understanding Battery Energy Storage ...

4 days ago · Battery energy storage is no longer just a future concept; it is rapidly becoming an integral part of South

Africa's energy landscape. As the country ...



### South African battery storage procurement ...

Dec 5, 2024 · South Africa's Independent Power Producers (IPP) Office has said 33 bids have been received as part of the third window of the country's battery ...

### Mega battery energy storage projects in pipeline ...

Oct 21, 2024 · Independent power producers announce significant investments in battery energy storage projects in the North West and Northern Cape.



### South Africa Leads in Renewable Energy and ...

Jan 13, 2025 · South Africa is advancing renewable energy and battery storage, enhancing grid stability and supporting a sustainable energy future.



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## South Africa

In October 2024, Scatec reached financial close for a battery energy storage project totalling 103 MW/ 412 MWh by the Department of Mineral Resources ...



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## CIP and EDF named preferred bidder for four BESS projects in South Africa

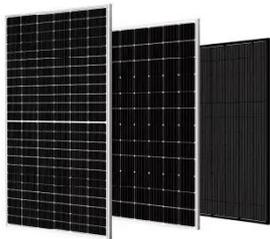
Aug 18, 2025 · Updated June 2025 - South Africa's Department of Mineral Resources and Energy (DMRE) has named five preferred bidders under the third Battery Energy Storage Independent ...

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## Home , NERSA

Aug 11, 2025 · The National Energy Regulator of South Africa (NERSA) is a regulatory authority established as a

juristic person in terms of Section 3 of the National Energy Regulator Act, ...



### Utility-scale batteries in South Africa: Improving grid stability ...

Aug 19, 2025 · 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 ...

### ENERGY STORAGE

Nov 27, 2024 · The Department has launched the third bid round under the Battery Energy Storage Independent Power Producers Procurement Programme (BESIPPPP), calling for 616 ...



### South Africa: TotalEnergies Launches ...

Paris, December 15, 2023 - TotalEnergies and its partners are launching construction of a major hybrid renewables project in South Africa,

LPW48V100H  
48.0V or 51.2V



comprising ...

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## 10 Driving Forces in Private Procurement of ...

Aug 19, 2025 · The private sector in South Africa presents a significant short-term opportunity for renewable energy procurement, driven by large energy users ...



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## SA Electricity Made Visual

Non-dispatchable electricity in South Africa is generated mainly by solar photovoltaic (PV) and wind technologies. Most wind and around a quarter of the solar PV plants in South Africa have ...



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