



# Namibia flow battery factory





## Overview

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The Namibia Power Corporation (NamPower) has opened the Initial Selection stage for the engineering, procurement, and construction of the 45 MW / 90 MWh Lithops battery energy storage system (BESS) project. It is located in the Erongo region of Namibia, directly on the edge of the Dorob National.

Ever wondered how a desert nation could become a renewable energy trailblazer?

Enter the Windhoek Energy Storage Project - Namibia's \$280 million answer to solar power's "sunset problem." As the sun dips below the Kalahari dunes each evening, this lithium-ion and flow battery hybrid system kicks.

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.

In Namibia, one of the largest electricity storage systems in southern Africa is currently being built - financed with a grant from KfW. Namibia has great potential for solar and wind energy, but so far it has not been able to store enough electricity. This is to be changed by a large storage.

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.



Market Forecast By Type (Vanadium Redox Flow Battery, Zinc Bromine Flow Battery, Iron Flow Battery, Zinc Iron Flow Battery), By Storage (Compact , Large scale), By Application (Utilities, Commercial & Industrial, EV Charging Station) And Competitive Landscape How does 6W market outlook report help.



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### Namibia's power corp launches procurement for 90 MWh battery ...

The project features a 45 MW / 90 MWh BESS facility, representing the country's largest battery, and is part of the broader Transmission Expansion and Energy Storage ...

### [Namibia's Battery Storage Projects: Progress Since the](#)

Namibia is not yet self-sufficient, but the combination of grid-scale storage and transmission expansion is laying the foundation for a more resilient and renewable-driven ...



### Mega battery to facilitate breakthrough for renewables in Namibia

In Namibia, one of the largest electricity storage systems in southern Africa is currently being built - financed with a grant from KfW. Namibia has great potential for solar and wind energy, but ...

### [Namibia Advances Energy Infrastructure with ...](#)

By executing engineering, procurement, and construction (EPC) contracts for its inaugural large-scale battery storage project, ...



#### [OMBURU BATTERY ENERGY STORAGE SYSTEM \(BESS\) ...](#)

As the project is the first of its kind in Namibia, it fulfils a pioneering function - it is expected that subsequent projects in the same field will benefit substantially from the experience gained from ...

#### [Namibia Advances Energy Infrastructure with Battery Project](#)

By executing engineering, procurement, and construction (EPC) contracts for its inaugural large-scale battery storage project, Namibia has achieved significant strides in ...



#### [E2S Systems , Energy Storage Systems Namibia , BESS](#)

E2S Systems is a Namibian based company that distributes mid, large and grid scale Battery Energy Storage Systems (BESS). Our proven technology partner from Europe, Visblue, ...

#### [Namibia to build first utility scale battery energy ...](#)



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 ...



#### [Namibia energy storage battery factory](#)

Our factory offers a comprehensive range of LiFePO4 battery products, including battery cells, high and low voltage harnesses, battery management systems (BMS), battery shells, and more.

#### [Namibia Flow Battery Market \(2025-2031\) , Share & Companies](#)

Market Forecast By Type (Vanadium Redox Flow Battery, Zinc Bromine Flow Battery, Iron Flow Battery, Zinc Iron Flow Battery), By Storage (Compact, Large scale), By Application (Utilities, ...



#### **Namibia to build first utility scale battery energy storage system in**

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 ...

#### [Namibia's power corp launches procurement for 90 ...](#)



The project features a 45 MW / 90 MWh BESS facility, representing the country's largest battery, and is part of the broader ...



#### [The Windhoek Energy Storage Project: Powering Namibia's ...](#)

As the sun dips below the Kalahari dunes each evening, this lithium-ion and flow battery hybrid system kicks into gear, storing enough daytime solar energy to power 90,000 ...



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