Types of bess Namibia

What does Bess stand for?
On 7 December 2021,KfW Development Bank,the National Planning Commission and NamPower signed a grant agreement for 20 million Euro (approx. 400 million NAD) towards the implementation of the first utility scale Battery Energy Storage System(BESS) in Namibia,and the Southern African region at large.

How much will NamPower contribute to the Bess project?
NamPower will contribute approx. 100 million NADto ensure the total project cost of around 500 m NAD are fully covered. The BESS plant will assist in peak shifting,energy arbitrage,provision of emergency energy,ramp-rate and reactive power control amongst others.

What is the Bess and how will it work?
The BESS is expected to store "locally generated renewable power as well as electricity imported from the Southern African Power Pool (SAPP)". The electricity will be stored at off-peak times, when it is cheaper. The stored energy can then be discharged "during peak times".

Will Namibia's electricity grid be stabilized?
The Managing Director of NamPower,Mr Kahenge Simson Haulofu,further said that the electricity grid in Namibia will be stabilizedas short and medium-term power fluctuations from RE generation can be load-followed by the storage system.

Who won the Bess project?
German development bank KfW,the NPC and NamPower congratulate the EPC contract winning partners,Mr. Benny Jin,Shelmon Chu and Qiao Weijianon the construction of the BESS project worth 500m NAD,which will contribute towards climate change by strengthening the expansion of Renewable Energies in Namibia.

How much money does Germany invest in Namibia?
German Development Cooperation 1990 - 2023 From 1990 to date ,investment by the German Development Cooperation in Namibia amounts to EUR 1.6 billion(approx. NAD 32.3 billion).

A joint venture (JV) between the two Chinese companies will deliver the 54MW/54MWh Ombuu battery energy storage system (BESS) project in Namibia"s Erongo Region, at the existing Omburu Substation. Construction is expected to take around 18 months for the project to come online in the latter part of 2025.

The BESS will use Narada Power"s lithium iron phosphate (LFP) cells, and will perform a number of "stacked" applications: peak shifting, energy arbitrage, emergency backup power, ramp-rate control and reactive power control.

As the first utility-scale storage projects in Namibia, the Omburu BESS will provide the following benefits: o

Surplus electricity from RE generation as well as cheaper electricity imports from the Southern African Power Pool (SAPP) can be stored in ...

The lithium-based BESS will help combat power shortages and reduce the impact of intermittent solar power. Shandong said construction is set to start in February 2024 and could ease Namibia"s reliance on imported supplies of electricity. Neighbouring countries currently supply up to 70% of Namibia"s power needs, Shandong said.

The Erongo Battery Energy Storage System, also Erongo BESS, is a planned 58 MW (78,000 hp) battery energy storage system installation in Namibia. The BESS, the first of its kind in the country and in the Southern African region, will be capable of ...

Business Innovation Namibia 2024-2025... read more Date: 05 Dec 2024; BESS Project. ... Omburu Battery Energy Storage System (BESS) Project. BESS Project Fact Sheet BESS Stakeholder Grievance Mechanism. About NamPower Company Profile Board of Directors Executive Committee Corporate Strategy.

Namibia is expanding its own renewable energy production by hundreds of megawatts in photovoltaics and wind power. This rapid expansion poses a challenge for the Namibian electricity sector. In light of this situation, KfW offered to finance a Battery Energy Storage System (BESS) project to support the power grid.

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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.

On 7 December 2021, KfW Development Bank, the National Planning Commission and NamPower signed a grant agreement for 20 million Euro (approx. 400 million NAD) towards the implementation of the first utility scale Battery Energy Storage System (BESS) in Namibia, and the Southern African region at large.

SummaryLocationOverviewDevelopersSee alsoExternal linksThe Erongo Battery Energy Storage System, also Erongo BESS, is a planned 58 MW (78,000 hp) battery energy storage system installation in Namibia. The BESS, the first of its kind in the country and in the Southern African region, will be capable of providing 72MWh of clean energy to the Namibian grid.

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As the first utility-scale storage projects in Namibia, the Omburu BESS will provide the following benefits: o Surplus electricity from RE generation as well as cheaper electricity imports from the Southern African Power Pool (SAPP) can be stored in the BESS. The stored energy could ...

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