

# Namibia facility battery backups

Namibia's planned new battery storage system brings it closer to reaching its green-energy goal. Its Renewable Energy Policy aims to modernise the energy sector, make it more self-reliant and turn it into a net ...

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.

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

The collaborative effort is aimed at spearheading the development of the country's inaugural 54 MW/54 MWh utility-scale Battery Energy Storage System (BESS). The BESS represents a monumental advancement enabling the storage and timely distribution of electricity as per demand, an essential innovation in the country's energy infrastructure.

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.

"To mitigate intermittency and maintain grid stability, NamPower is developing and constructing Battery Energy Storage System (BESS) projects such as the Omburu BESS with a capacity of 54 MW (1 hour of storage), to be located at Omburu substation near Omaruru Town, and the 45 MW/90 MWh BESS to be located at Lithops Substation," said Mingeli.

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

The Omburu Battery Energy Storage System (BESS) project in Namibia is a groundbreaking initiative that marks a significant step forward in expanding renewable energy generation facilities. The project is the first utility ...

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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 ...

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The JV between the two Chinese companies will deliver the 54MW/ 54MWh battery energy storage system (BESS) at the Omburu substation in in Namibia"s Erongo region. The project aims to address the demand for power shortages, reduce the impact of unstable photovoltaic power generation on the power grid, and improve the quality of electricity used ...

Namibia"s planned new battery storage system brings it closer to reaching its green-energy goal. Its Renewable Energy Policy aims to modernise the energy sector, make it more self-reliant and turn it into a net exporter of power.

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The Omburu Battery Energy Storage System (BESS) project in Namibia is a groundbreaking initiative that marks a significant step forward in expanding renewable energy generation facilities. The project is the first utility-scale BESS in Namibia and the Southern African region and will eventually establish a 58MW / 72MWh battery energy storage ...

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