Battery to store solar power Namibia

Key contracts have been signed for the first-ever grid-scale battery storage project in Namibia, signifying the African country"s dedication to modernising its energy infrastructure, according to a top local official.

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.

Once operationalized, the battery storage project will ensure stable operation of the local power grid and improve the efficiency of Namibia"s energy trading in the Southern African Power Pool (SAPP), while also reducing the dependence on emergency imports to the grid of the South African National Power Corporation (SANPC).

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.

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.

"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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Namibia Power Corporation (NamPower) has awarded a contract to Chinese companies Shandong Electrical, Engineering & Equipment Group and Zhejiang Narada Power Source to build a battery-based electricity ...

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Namibia Power Corporation (NamPower) has awarded a contract to Chinese companies Shandong Electrical, Engineering & Equipment Group and Zhejiang Narada Power Source to build a battery-based electricity storage system at the Omburu substation in Namibia.

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 ...

A solar battery is a device that you can add to your solar power system to store the excess electricity generated by your solar panels. You can then use that stored energy to power your home at times when your solar panels don"t generate enough electricity, including nights, cloudy days, and during power outages.

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NamPower"s visionary outlook on this pioneering project positions the battery storage system as pivotal in revolutionizing the generation, distribution, and consumption of electricity in Namibia. The venture represents a fundamental shift towards a more resilient and sustainable future, embodying NamPower"s forward-thinking ethos.

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