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Tesla Launches Powerwall 3 in South Africa: A Game Changer for Home Energy Storage



Tesla has launched its newest all-in-one energy storage solution, the Powerwall 3, in South Africa. The Powerwall 3 is an advanced home energy storage system that enhances efficiency and reduces electricity costs. With an 11kW continuous power output more than double its predecessor, the Powerwall 2, it can power more household appliances and store excess solar energy for use during low-sun periods. In self-consumption mode, it reduces grid reliance by up to 67%.

The system also features a 12kW integrated solar inverter for improved efficiency and a Storm Watch function for proactive power backup. It has been estimated that homeowners combining Powerwall 3 with solar energy could save up to R29,351 annually.

Comment

Tesla's launch of the Powerwall 3 in South Africa is set to reduce grid dependence, lower electricity costs, and drive solar adoption. With its higher power output, integrated inverter, and smart energy management features, homeowners can maximize savings and improve resilience against load shedding. This could disrupt the local energy market, pushing competitors to innovate.

For more information, please click [here](#).

REA Expands Rural Electrification with 440kWp Mini-Grid in Cross River



The Rural Electrification Agency (REA) has commissioned a 440kWp interconnected mini-grid in Cross River State, bringing clean and reliable electricity to four (4) rural communities (Ezumi, Agbokim, Abia, and Bendegehi). This initiative, funded by a (9.3 million in-kind grant from the European Union and supported by the German Cooperation, is part of the Interconnected Mini-Grid Acceleration Scheme (IMAS), aimed at expanding Nigeria's renewable energy infrastructure.

The project is expected to transform local economies by powering homes, businesses, schools, and healthcare facilities, reducing reliance on kerosene and diesel.

The Cross River State government has emphasized community participation in maintaining the infrastructure to ensure its long-term sustainability.

With similar projects recently launched in Niger and Plateau states, REA continues its mission to expand energy access, foster economic growth, and improve living conditions in underserved communities across Nigeria.

Comment

The commissioning of the 440kWp interconnected mini-grid in Cross River will significantly improve electricity access in rural communities, fostering economic growth and enhancing social services. With reliable power, small businesses, schools, and healthcare facilities will operate more efficiently, reducing dependence on costly and polluting energy sources like kerosene and diesel. Additionally, this initiative aligns with Nigeria's broader push for renewable energy, potentially attracting more investment into decentralized power solutions.

On a larger scale, continued mini-grid deployment could reduce pressure on the national grid, enhance energy security, and contribute to Nigeria's clean energy transition, supporting sustainable development in underserved regions. However, community engagement and infrastructure maintenance will be crucial to ensuring long-term project success.

For more information, please click [here](#).

Morocco Advances \$32.5B Green Hydrogen Projects to Lead Africa's Renewable Energy Market

Morocco has approved \$32.5 billion in green hydrogen projects focused on producing ammonia, steel, and industrial fuel. Leading international companies involved include the U.S.'s Oryx, Spain's Acciona, Germany's Nordex, UAE's Taqa, Saudi Arabia's Asera Power, and China's UEG. Morocco will allocate up to 30,000 hectares per project to support these developments, aiming to increase its renewable energy share to 52% by 2030.

The initiative aligns with the EU's Green Deal, which seeks to import 10 million tons of renewable hydrogen by 2030. By leveraging its natural solar and wind resources, Morocco aims to position itself as a global leader in green hydrogen production, an effort designed to boost exports while reducing its carbon footprint.

Morocco is taking active steps and has signed agreements with firms such as France's TotalEnergies and Engie to develop its green hydrogen sector. These projects mark a crucial step in Morocco's renewable energy transition and contribution to global climate goals.

Comment

Morocco's approval of \$32.5 billion in green hydrogen projects positions the country as a major player in the global renewable energy market. This move will enhance energy security, attract foreign investment, and boost exports, particularly to the EU, aligning with global decarbonization goals. It also strengthens Morocco's leadership in Africa's green energy transition.

For more information, please click [here](#).

U.S. Loan Revives Mozambique Liquefied Natural Gas Project, but Challenges Remain

The U.S. has approved a \$4.7 billion loan to restart TotalEnergies' Mozambique Liquefied Natural Gas (LNG) project, which was halted in 2021 due to jihadist attacks. The U.S. Export-Import Bank (US-EXIM Bank) granted the loan, supporting TotalEnergies' 26.5% stake in the \$20 billion project, which is aimed at supplying LNG to Asian and Pan-Atlantic markets. However, British and Dutch export credit agencies must still approve the financing in order to fully revive operations.

The African Energy Chamber (AEC) supports the project as a major boost for Africa's energy sector. However, the project has drawn criticism from environmental and human rights groups over security concerns and alleged human rights abuses. Investigations by TotalEnergies found no credible evidence of misconduct.

The Mozambique LNG project, involving Mozambican firms and Japan's Mitsui (20% stake), is expected to begin production by 2023-2024. Though the U.S. loan signals progress, the project's overall fate depends on securing full financing and addressing ethical concerns.

Comment

The U.S. approval of the \$4.7 billion loan marks a significant step toward restarting Mozambique's \$20 billion LNG project, positioning it as a key energy supplier for Asian markets. However, the project's future hinges on securing British and Dutch export credit approvals, addressing security risks, and responding to environmental and human rights concerns. While the investment could boost Mozambique's economy and Africa's energy sector, opposition from advocacy groups may impact funding decisions and project timelines.

For more information, please click [here](#).

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