

250kW Solar Containerized Mine Utilizing Democratic Republic of Congo

Why is Kamoja copper launching a solar project?

Auguy Bakome, Project Manager, Kamoja Copper, said, The solar project is a key milestone in delivering clean, reliable energy to Kamoja Copper. With advanced solar and battery systems, we're boosting energy resilience, cutting emissions, and advancing sustainable mining.

What does Kamoja copper's 30 MW solar+storage project mean for Africa?

Kamoja Copper's landmark 30 MW solar+storage project in DRC sets new standard for clean energy in African mining, cutting emissions and powering Africa's largest copper mine.

What is the largest solar project in Africa?

The mining complex is the largest of its kind in Africa, with an installed capacity of 600,000 tonnes of copper per annum, with a smelter under construction that will be commissioned this year. This solar project is the first of its kind in Africa, will include a 222 MWp solar PV system and a 123 MVA/526MWh battery energy storage system (BESS).

What is the first solar project in Africa?

This solar project is the first of its kind in Africa, will include a 222 MWp solar PV system and a 123 MVA/526MWh battery energy storage system (BESS). The plant will provide a 30MW dispatchable renewable baseload energy supply to the mine, offsetting fuel generators and reducing carbon emissions by around 78,750 tonnes per year.

Key Figures & Findings: Kamoja Copper, the operator of Africa's largest and fastest-growing copper mine, has signed a landmark baseload solar power agreement with CrossBoundary ...

Key takeaways 3 April 2025, Kolwezi, The Democratic Republic of Congo-- Kamoja Copper S.A. and CrossBoundary Energy have signed a power purchase agreement (PPA) to provide baseload ...

CrossBoundary Energy (CBE) is currently constructing one of Africa's most innovative renewable energy solutions: a solar photovoltaic (PV) and battery energy storage system (BESS) designed to provide ...

The plant is expected to produce 300,000 MWh of clean energy per year. Additionally, the project is significant in demonstrating that baseload renewable energy from solar PV and batteries is ...

Kamoja Copper S.A. has made a significant stride towards sustainable mining by signing a transformative power purchase agreement (PPA) with CrossBoundary Energy. This landmark deal ...

Why Congo Needs Advanced Energy Storage Solutions As the Democratic Republic of Congo accelerates its renewable energy adoption, containerized battery storage systems have emerged as ...

Stakeholders celebrating the agreement. Image: Kamoja Copper and CrossBoundary Energy. Mining



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consortium Kamoja Copper and IPP CrossBoundary Energy have agreed on a PPA ...

KOLWEZI, April 3, 2025 - Kamoja Copper and Nairobi-based renewables developer CrossBoundary Energy have signed a power purchase agreement under which CrossBoundary will supply baseload ...

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Ivanhoe Mines Launches Kamoja-Kakula Solar Project in the DRC Ivanhoe Mines has announced that the Kamoja-Kakula Solar Energy Project will be fully operational by early 2026, ...

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