



Manufacturing energy storage nairobi

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PAWAL Group specializes in integrating advanced Energy Storage Systems (ESS) for innovative renewable energy projects. We provide scalable, efficient solutions tailored to Africa's unique energy challenges. Through our associate company, a Tier 1 manufacturer with global certifications such as CE, UL, IEC, and DNV, we ensure rapid execution and continuous innovation. Our expertise spans grid-scale, commercial, residential, and microgrid applications. Committed to advancing energy technology, our team focuses on creating a greener, more sustainable future.

Deliver exceptional results and become an industry leader in providing sustainable energy solutions, including energy storage systems, to enhance efficiency and environmental responsibility for businesses and communities.

Lead the industry through innovative strategies, with the goal of establishing a Pan-African presence in the manufacturing and supply of Energy Storage Systems.

Kenya is rapidly advancing in electric mobility, driven by electric buses and e-bikes from companies like BasiGo and Roam, supported by government incentives. The growth is also reflected in the expansion of EV charging stations and battery swap services in Nairobi. In 2023, EV registrations surged by 600%, with imports increasing from 0.17% to 1.6%. The country's EV fleet now includes over 3,700 units, primarily two- and three-wheelers.

Pawal Group works closely with a network of associate companies, enhancing our expertise in renewable energy and Energy Storage Systems (ESS). These partnerships allow us to deliver innovative, scalable solutions that meet diverse energy needs, ensuring efficiency and sustainability across projects.

Our CSR programs, such as Sensitization, Training and Eco-friendly Campaigns, positively impact the community and environment. We are committed to sustainability and social responsibility.

JA Solar, a global leader in renewable energy, is expanding its global footprint with its inaugural shipment of 2.32 MWh commercial and industrial (C& I) energy storage systems to Africa. The first units of the BluePlanet liquid-cooled outdoor storage cabinet are en route to Nairobi and Kisumu, Kenya, introducing this state-of-the-art technology to the African market.

The BluePlanet system embodies JA Solar's innovative engineering and dedication to solving global energy challenges. With exceptional AC-side efficiency exceeding 90%, it ensures superior energy conversion and reliable performance. Its advanced liquid cooling technology maintains a temperature variation of less



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than 3°C between cells, enhancing reliability and extending the system's lifespan even in extreme climates.

Additionally, the system features lightning-fast switching with a transition time of less than 20 milliseconds, enabling seamless operation across grid-connected, off-grid, and generator-powered modes. This cutting-edge solution sets a new standard for resilience, adaptability, and efficiency in the renewable energy sector.

Africa, with its abundant solar resources, faces unique energy challenges such as unreliable grids and high fuel costs. The BluePlanet system is designed to tackle these issues, delivering stable and cost-efficient power while reducing reliance on diesel generators. It is particularly suited for critical applications in locations such as hospitals, factories, and commercial enterprises that require consistent power supply to maintain operations.

JA Solar has a growing presence in major African markets including South Africa, Morocco, and Nigeria, and the successful debut of its C& I energy storage solution in Kenya reinforces its commitment to advancing sustainability and powering a greener, brighter future in Africa and around the world.

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