

Africa Electric Three-Wheeler Market Assessment, By Battery Type [Lead Acid, Lithium-Ion, NiMH], By Power Type [Upto 1000W, 1000W-1500W, Above 1500W], By Application [Commercial, Personal], By Region, Opportunities, and Forecast, 2018-2032F

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Abstracts

Africa Electric Three-Wheeler Market was valued at USD 75.65 million in 2024 and is anticipated to reach a value of USD 194.65 million at a CAGR of 12.54% during the forecast period between 2025 and 2032. Due to the fact that electric three-wheelers produce fewer emissions than any other type of fuel-based vehicle, there is a rising demand for them in the African nations. Governments in various African nations are increasingly implementing emission-free public transportation networks in an effort to promote low-emission vehicles. As a result, the sales of three-wheelers are rising, which is having a significantly positive impact on the Africa Electric Three-Wheeler Market.

Technological Advancement in Electric Three-Wheeler Drives Market Demand

Technological advancements in electric three-wheelers include innovations in battery technology, and integration of smart technologies, driving the Africa electric three-wheeler market demand in the forecast period. Manufacturers in the automotive market are introducing new high-performance models that are lightweight, fast, robust, spacious, and cover a longer range. In addition, technologically advanced features including regenerative braking and instant acceleration allow drivers to navigate stop-and-go traffic with less effort, driving the advanced electric three-wheeler market growth. Furthermore, the shift towards software-defined vehicles plays a critical role in electric three-wheeler demand as it offers seamless connectivity for a smooth driving experience. This technology enables software controllers to send and receive information. Also, companies in the market are significantly emphasizing fast charging

technology in newly launched electric three-wheelers to reduce charging time and establish advanced manufacturing facilities to improve vehicle performance and range, fostering the African electric three-wheeler market.

For instance, in February 2024, Car & General (Kenya) Plc announced the launch of Piaggio electric 3-wheelers in Kenya, which will significantly reduce emissions and noise pollution.

Electric Three-Wheeler – An Eco-Friendly and Efficient Mobility Solution

The pollution rate of electric three-wheelers is practically negligible, making them a viable alternative to ICE vehicles. Since electric three-wheelers are more environment friendly and have lower long-term operating costs than vehicles with fuel-based emissions, the governments in Africa have begun to replace ICE vehicles in their public transit systems, including vehicles like three-wheelers that provide last-mile reach. A further factor driving the market expansion is the three-wheeler owners' preference for electric three-wheelers for shorter commutes due to the growing gasoline, CNG, and diesel costs.

Rapid Growth of Electric Three-Wheeler in E-commerce Market

Due to the rise in e-commerce activities, such as online food ordering services and grocery sales in nations like Nigeria, South Africa, etc., have increased the demand for electric three-wheelers for delivery purposes for cost effective commute due to which the demand for electric three wheelers are expanding quickly in many countries throughout Africa. As many different electric three-wheeler brands are releasing their models in this segment, the market will grow rapidly and achieve deeper market penetration for electric three-wheelers. Such trends are boosting imports and sales of the electric three-wheelers in the African region.

Impact of COVID-19 on Africa Electric Three-Wheeler Market

Due to the lockdown that resulted from the strict social distancing norms implemented by the government to curtail the spread of the COVID-19 pandemic, most of the global production facilities of automotive firms that produced electric three-wheelers were shut down. This had a negative effect on the automotive industry particularly electric three wheelers. After the adverse impact of COVID-19 on business operations, the majority of electric three-wheeler manufacturers have reopened their factories, which will help meet the demand that is escalating quickly in the African countries. In order to increase sales

of electric three-wheelers in Africa, many automakers have made the decision to introduce new models in 2022 and beyond.

Post-COVID-19, Africa's economy is recovering as the supply chain concerns get resolved and import trade in the automobile and transportation industry resumed almost at the pre-pandemic levels. Many manufacturers are showing interest in export of electric three wheelers to the African region as there is demand for urban mobility and also improving economic conditions after COVID-19. The government is also taking the initiative towards green mobility after COVID-19 in African regions, especially in countries such as South Africa and Egypt.

Impact of Russia-Ukraine War on Africa Electric Three-Wheeler Market

Russia Ukraine war has disrupted Africa's promising recovery from the pandemic by temporarily impacting trade flow of goods and raw material for automobile and EV industry specifically for batteries. As a result, supply disruption affected the growth of electric three-wheeler market leading to lower sales. Similarly, the surge in prices of components essential for the manufacturing electric three-wheelers was witnessed, which led to a decline in the volume of imports of electric three-wheelers from Africa.

Key Player Landscape and Outlook

Strategic long-term alliances and contracts are expected to play a vital role in maximising the revenue share of commercial companies. Additionally, because of the rising demand, players are emerging from established market. Yamaha Motor Company Limited, Mazi Mobility Company, Lifan Technology (Group) Co., Ltd., ATUL Auto Limited, Mahindra Electric Mobility Limited, Terra Motors Corporation, and Piaggio & C. SpA are some key players dominating the Electric three-wheeler market in Africa.

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