

Battery electric vehicles bevs accra

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If you've been driving around lately, you've probably noticed a new type of vehicle on the roads--quiet, smooth, and emitting no fumes. These are electric vehicles (EVs), which run on an electric battery instead of the usual combustion engine. EVs are becoming more common in Ghana, offering a cleaner, quieter, and more sustainable alternative to traditional cars.

For many people, owning an EV is a dream come true, especially with the potential to save on fuel costs. But the benefits of owning an electric vehicle go far beyond just saving money at the pump.

The Ghana Electric Vehicles Baseline Survey Report, published by the Energy Commission in 2022, highlights the wider advantages of embracing electric mobility.

This report is the most comprehensive and up-to-date research on EV adoption in Ghana, providing valuable insights into where the industry stands today and where it's headed in the future. By taking a closer look at the findings, we can get a clearer picture of the role electric vehicles will play in shaping the future of transportation in Ghana.

Its goal is to guide both the public and private sectors in creating the right conditions for EV adoption, all while supporting Ghana's ambitious goal of fully transitioning to electric road and rail transportation by 2070. Yes, you read that right--by 2070! I think it must be done much sooner, like 2030.

I'll break down some of the most important takeaways from the report and offer my personal thoughts on what they mean for the future of electric vehicles in Ghana and in the end highlight one thing I think the report should have included.

The report aims to provide a clear picture of Ghana's EV sector through:

Analysis of global and local EV developments
Cost of ownership assessments
Emission reduction potential
Field studies on public perceptions
The impact of EV adoption on Ghana's national electricity grid.

The study focuses on Battery Electric Vehicles (BEVs), Plug-in Hybrid Electric Vehicles (PHEVs), and electric two- and three-wheelers (E2& 3W), which are expected to dominate Ghana's initial market transition to e-mobility.

EV Imports: Between 2017 and 2021, Ghana imported approximately 17,660 plug-in electric vehicles (PEVs), with the majority of them coming from China. A significant portion--91.5% (16,147)--were hybrids,



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while Battery Electric Vehicles (BEVs) accounted for just 5.1% (900) of the total imports.

My thoughts: I wouldn't be surprised if this number has already doubled in recent years. The increasing availability of affordable Chinese models has made EVs more accessible, and this trend is likely driving greater adoption.

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