Review of: "AI-Powered Object Detection to The Seamless Integration of Renewable Energy Into Electric Vehicles"

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Potential competing interests: No potential competing interests to declare.

- The paper titled "AI-Powered Object Detection to The Seamless Integration of Renewable Energy Into Electric Vehicles" presents a compelling blend of artificial intelligence (AI) and renewable energy technologies to enhance electric vehicles' (EVs) sustainability. The incorporation of TensorFlow models and edge computing for object detection, alongside methodologies for integrating renewable energy sources into EVs, addresses a highly relevant and innovative area. The detailed experimental setup and rigorous methodology demonstrate a technically sound approach, offering potential contributions to AI applications in EV sustainability. However, the paper's real-world applicability, comparative efficiency, and scalability in actual EV environments would benefit from further empirical evidence and analysis.

- The paper's relevance to current global sustainability goals and its potential impact on the fields of AI, renewable energy, and EV technology is notable. It aligns with the push towards smarter, cleaner transportation solutions, potentially offering valuable insights for industry adoption. The inclusion of current references and engagement with existing literature underscores the authors' thorough understanding of the field, situating their work within ongoing academic and practical discussions. Yet, a deeper comparative analysis with existing solutions and a more explicit discussion on limitations and future research directions could strengthen its contribution.

- Overall, the paper appears to be a strong candidate for publication, given its innovative approach and the significance of its findings. Its potential to influence the development of more efficient and environmentally friendly transportation systems is clear. However, success in the peer review process will likely hinge on addressing the need for empirical validation, clearly articulating the system's advantages over current technologies, and outlining avenues for future research. Enhancing these aspects could solidify the paper's contribution to the interdisciplinary fields of AI, renewable energy, and electric vehicles, emphasizing its role in advancing sustainable transportation.