Review of: "Enhancing Electric Vehicle Reliability and Integration with Renewable Energy: A Multi-Faceted Review"

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Potential competing interests: No potential competing interests to declare.

This study addresses reliability concerns in electric vehicles (EVs), filling a gap in existing research by evaluating the entire motor system, encompassing both the drive motor and motor controller in electric vans. It predicts failure rates, revealing vulnerabilities for informed design and maintenance. The novel "Innovative Incentive-Driven Fuzzy Fault Tree Analysis" (IIFFTA) method is introduced for power systems with EVs and renewable energy, offering a more effective risk assessment considering imprecise events. Additionally, the paper explores distribution feeder reconfiguration as a reliability strategy for coordinating vehicle-to-grid services, addressing uncertainties with a self-adaptive evolutionary algorithm. This research contributes valuable insights for enhancing the reliability of EV-related power systems.