

## Review of: "Evaluating Reliability and Economics of EV Charging Configurations and Deep Reinforcement Learning in Robotics and Autonomy"

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While the focus on developing reliable charging station designs amidst the growing popularity of electric vehicles (EVs) is commendable, this study's approach and findings raise several critical considerations.

Firstly, the proposed 36-ported design, while innovative, lacks detailed discussion of the specific challenges faced during testing and implementation. Without a comprehensive examination of potential limitations and failures encountered during the testing phase, the reliability claims may lack substantiation.

Moreover, while failure rates are estimated using established standards like MILHDBK217F and MILHBK-338B, the study fails to provide sufficient transparency regarding the methodology and assumptions underlying these estimations. This lack of transparency undermines the credibility of the failure rate assessments and subsequent reliability claims.

Furthermore, the study's exploration of Deep Reinforcement Learning (DRL) for robotics and autonomous systems (RAS) safety is intriguing but overlooks crucial ethical and regulatory considerations. The discussion on unsafe policies leading to hazardous decisions warrants further elaboration, including an examination of potential societal implications and the ethical implications of deploying DRL-controlled systems in real-world scenarios.

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