

Review of: "Evaluation of Reliability and Financial Feasibility of Various EV Charging Station Layouts"

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Potential competing interests: No potential competing interests to declare.

1. The abstract of the research article outlines a study focused on addressing the challenge of ensuring reliable performance for electric vehicle (EV) charging ports within charging infrastructure. However, it lacks to provide specific quantitative results to support the claims made about the effectiveness of the proposed design.
2. Introduction: In this section, the relevant literature and shortcomings of the existing studies to justify the research are not discussed, which should be included.
3. Methodology: i. The technical terms and concepts, such as "repetitive combination," "random arrangement configuration," and "IEEE-33," should be explained more clearly for readers who may not be familiar with the field. ii. There are no figures in the entire article. It is suggested to include appropriate figures to illustrate the charging port arrangements and methodology to carry out the research, and also reliability evaluation to enhance the understanding of the readers. iii. Can you include the figure for the IEEE-33 bus test system and uniform port/non-uniform port configurations? iv. Relevant equations, for instance, the voltage stability index (VSI), should be added in the manuscript.
4. Results: The discussion on the found results is not sufficient to explain the effectiveness of the achieved results. Please provide clearer interpretations or discussions of the performed methods and the quantitative results. How the costs are calculated. It is better to provide details and the equation in the methodology section about the cost metrics.
5. Conclusion: The conclusion should include potential avenues for future research or areas where further investigation can be warranted based on this research. Also, some recommendations for decision-makers could be further elaborated to provide actionable insights.