

Review of: "Assessing Reliability and Economic Viability of Different EV Charging Station Configurations"

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Potential competing interests: No potential competing interests to declare.

The paper aimed at assessing the reliability and economic viability of different EV charging station configurations.

I have the following comments/observations for the authors to consider:

1. The authors failed to show the details of the reliability calculation and assessment, say, using mathematical equations/formulae. This is a major requirement to support the contribution of the paper.
2. The details of the cost estimation procedure are too sketchy in the manuscript. It requires further elaboration.
3. Figures and/or block diagrams with detailed explanations of basic terms/blocks are required for the charging stations under consideration, for both uniform and non-uniform configurations.
4. The concept of the voltage stability index is not well presented in the manuscript. Equations/formulae are required to support the concept, with key terms being properly defined.
5. The details of the method used to evaluate the system's failure rate are not properly presented.
6. Results and discussion not clear. The results should be presented properly, such as in tabular form, and where necessary, comparisons can be made. The discussion will then be based on the results presented in both tabular and pictorial forms.
7. There is no consistency in the format/style used in the list of references.

The paper can be accepted subject to effecting major corrections.