

Review of: "Performance Evaluation and Analysis of Electric Vehicle Parameters – A Test Bench"

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Potential competing interests: No potential competing interests to declare.

Authros presented a technical review / study that presented a scheme for determining the suitable motor rating and battery capacity for an EV. This work also acts as a test bed for EV manufacturers and consumers to estimate and assess car performance in order to improve the design or functionality. It is primarily a technical review not research article. However, Editorial panel can be generous to accept as a comprehensive study article.

To treat it as a research article, following points may be incorporated to improve the standard of reported work.

1. The manuscript needs to be improved in terms of language and logical flow. Additional details on certain experiments and simulations should be included. Some explanations of the experiments may confuse the readers. The results obtained may not strongly support the conclusions.
2. No industry/ IEEE standards are followed or reported even it is an industry / filed applications related work.
3. Authors may study/ refer some highly acclaimed articles those are reported in recent two years related to EV and its impact to Grid such as about; Syan's work on power simulation, DOI: [10.1109/WCI.2015.7495537](https://doi.org/10.1109/WCI.2015.7495537) ; Integration of Distributed Generations by coordinating Electric Vehicle, DOI: [10.1108/WJE-03-2022-0105](https://doi.org/10.1108/WJE-03-2022-0105) ; Bidirectional EV Integration in Home Load Energy , DOI: [10.1080/01430750.2022.2059780](https://doi.org/10.1080/01430750.2022.2059780) ; capacity building, DOI: [10.1088/1742-6596/1478/1/012006](https://doi.org/10.1088/1742-6596/1478/1/012006) ; optimal recharging DOI:[10.1088/1742-6596/1854/1/012016](https://doi.org/10.1088/1742-6596/1854/1/012016). Excercise will certainly help authros to improve the review part and incorporating technical aspects reported in above mentioned dois.
4. Delect Fig. 6 and Fig. 9. rather present a schematic diagram. It is unnecessary.
5. Fig. 8 is not readable.
6. Give propoer reference of Table 1. Is it your standard contribution?
7. Learn about power management part and include it in article.
8. Fig. 22 is not as per standard parctices adapt in EV applications. In fact there are too many figures that need to be reconsidered.