Review of: "Design of an intelligent controller for improving the solar system efficiency"

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Potential competing interests: No potential competing interests to declare.

This paper proposed an intelligent controller for improving the solar system efficiency based on a fuzzy logic control strategy. The following modifications are required to be established in the next reversion.

1. A numerical analysis is required to verify the performance of the proposed fuzzy logic-based MPPT controller. Overshoots, settling times, maximum power values, and efficiency must be compared.
2. The innovations of the manuscript are unclear. The fuzzy logic-based MPPT controller has already been proposed; hence, it is vital to highlight the innovations of the study.
3. The simulation parameters are missing. A table containing the detailed simulation information must be added.
4. Adding the fuzzy surface as a separate figure is recommended.
5. The authors are recommended to compare the performance of the FLC MPPT with other MPPT strategies under varying solar irradiance conditions and provide the graphical results.
6. The quality of some figures, particularly Figs. 5 and 6, is not good.