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.

Following are some of the suggestions/queries on the presented work:

1. Improve the Introduction section by adding recent developments in the field of MPPT tracking using Fuzzy Logic. Few of the suggested literatures are:

S. Bhattacharyya, D. S. Kumar P, S. Samanta and S. Mishra, "Steady Output and Fast Tracking MPPT (SOFT-MPPT) for P&O and InC Algorithms," in *IEEE Transactions on Sustainable Energy*, vol. 12, no. 1, pp. 293-302, Jan. 2021, doi: 10.1109/TSTE.2020.2991768.

U. Chauhan, A. Rani, V. singh and B. Kumar, "A Modified Incremental Conductance Maximum Power Point Technique for Standalone PV System," 2020 7th International Conference on Signal Processing and Integrated Networks (SPIN), Noida, India, 2020, pp. 61-64, doi: 10.1109/SPIN48934.2020.9071156.

R. Kumar, B. Kumar and S. D., "Fuzzy Logic based Improved P&O MPPT Technique for Partial Shading Conditions," 2018 International Conference on Computing, Power and Communication Technologies (GUCON), Greater Noida, India, 2018, pp. 775-779, doi: 10.1109/GUCON.2018.8674917.

2. On page 7, it has been written that there are 13 rules, but rules shown in the rule base table (Table 1) seems to be 21.Pls clarify.

3. Include a flow chart of the proposed approach and compare with its exiting one of a type.