

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.

The manuscript is lacking in novelty. Similar works have already been published and cited extensively in the field. The manuscript does not adequately highlight research gaps or present new contributions to justify the work. A more expansive literature review situating the research is required.

Key deficiencies include:

- Insufficient citation of references
- Lack of validation and analysis of results
- Narrow, outdated comparison to existing literature
- Absence of empirical data to support conclusions

The topic of photovoltaic controllers carries importance, but the actual research presented demonstrates neither technical advancement nor novel approaches. For improvement, the authors need to thoroughly demonstrate the unmet research needs, strengthen the analytical results, modernize the literature benchmarking, and rewrite the conclusions to accurately represent the investigation. Significant revisions on structure and language use would also benefit the clarity of information presented.