

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.

Abstract

1). The abstract does not summarize the work well and contains many repeated sentences. It needs to be completely reworded.

I. Introduction

1- The introduction needs at least three or four references, while the authors did not mention any reference in the introduction.

2- The researcher mentioned 5 methods for controlling the MPPT and suggested using the hybrid system. There should be a clearer idea of the reason for using this system.

3- In general, the introduction is very weak and needs to be completely reformulated.

II- MPPT Control Overview

1. This paragraph also needs references.
2. The researcher enumerates 5 types of MPPT control methods and compares them in terms of simplicity and adaptability. What is the evidence for this comparison?
3. This paragraph can be merged with the previous paragraph.

III. Simulation of PV System and Results

1. I suggest using words that are more common in electrical engineering, for example using current instead of courant.
2. Comments must be made on the figures attached to the research, for example Figures 2 and there are no comments on the figures.
3. The Figures that contain two windows must be divided into a and b, and each window must be indicated separately.
4. According to Figure 3, what is meant by the symbol G?
5. The researcher should avoid putting equations in the titles of figures, as is the case in Figure.
6. The paragraph (A. Fuzzy Logic Algorithm) should be deleted from the simulation because it is an explanation, not a simulation.
7. All figures in the research require explanatory explanation.

IV. Conclusion

In the conclusion paragraph, there is no conclusion in numbers indicating the superiority of this hybrid method over other methods

REFERENCES

The sources are rather old and there are no modern sources after 2015