

Review of: "Grid-secluded Induction Generator with ANN and Intreval Type-2 Fuzzy based Controller for Wind Power Generation with Smart Load Control"

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Potential competing interests: No potential competing interests to declare.

1. The authors should explain how the power obtained from induction generators is converted to DC.(in abstract)
2. The abstract must clearly mention the advantages of the proposed scheme.
3. In the introduction the literatures must include the applications of ANN in similar area.
4. The converter operation should be explained more elaborately along with the importance of your proposed work.
5. The simulation and hardware results taken must be justified.
6. The simulation results must be supported with training and testing data of ANN.
7. The test input and training input for ANN based neurons must be provided.
8. The authors must justify the proposed work as many MPPT based controller has been proposed earlier by the researchers.
9. The authors should justify the position of the DC link capacitor that is mentioned after the 3-phase generators in Figure 2. Whether it should be provided at the input of the inverter or at the output of the bidirectional converter.
10. The authors should the battery rating they have used, will it be suitable for 1.5 kW inverter. Because 77 Ah, 48V lead acid battery, can it provide current rating of 1.5 kW inverter if also it supplies then how much will be its back up time.
11. Moreover the results must be compared with some recent works like ["An ANN based switching network for optimally selected photovoltaic array with battery and supercapacitor to mitigate the effect of intermittent solar irradiance"](#).
12. Technique suggested by the authors seems to be interesting but it should be improve based on the above major revisions.