Abstract

The power delivered by a photovoltaic power system depends strongly on the level of sunlight, the cell temperature and the nature of the load supplied. It is therefore highly unpredictable. This paper presents the improvement of the MPPT algorithm Perturb and Observe (P & O) under rapidly changing climatic conditions. The results of the simulation in Simulink confirm the efficiency of the proposed method.

References

Improvement of the “Perturb and Observe” MPPT Algorithm in a Photovoltaic System under Rapidly Changing Climatic Conditions


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Index Terms
Keywords

Photovoltaic system  Perturb and Observe MPPT algorithm  Modeling Improvement
Simulation
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