

100 KW Photovoltaic Grid Connected System using MPPT and Converter

Nitish Kumar Nirala¹, Pravin Kumar², Prof. Jagdish Koli³, Prof. Madhu Upadhayay⁴

Department of Electrical Engineering
NRI Institute of Research and Technology, Bhopal, India
nitish.nirala1992@gmail.com

Abstract: *In recent times, renewable energy sources have gained immense popularity as an alternative to conventional electrical energy sources. This paper design MATLAB/SIMULINK to simulate a 100kW grid-connected solar PV system. Temperature and solar radiation both affect solar array properties. Due to its nonlinear nature, their power should fluctuate constantly as the weather changes. Under these circumstances, MPPT is utilized to monitor the solar array's maximum power.*

Keywords: Photovoltaic (PV), MPPT, Boost Converter, Inverter

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