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Title: Nalin Solar Photovoltaic Power Generation

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Solar photovoltaic cells are grouped in panels, and panels can be grouped into arrays of different sizes to power water pumps, power individual homes, or provide utility-scale electricity ...

This review examines the evolution, current advancements, and future prospects of PV systems, highlighting the development of various photovoltaic cell technologies, including crystalline ...

His research interests include deregulated power system, power economics, smart grid, and reliability. He has over 100 publications in various international referred journals and conferences.

Solar PV arrays made of interconnected modules are comparatively less susceptible to shadow problem and power degradation resulting from the aging of solar cells. This paper presents a...

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Electrical and Electronics Engineering, Sri Sai Ram Institute of Technology, Chennai, India. Publication Topics.

We provide an overview of factors affecting solar PV power forecasting and an overview of existing PV power forecasting methods in the literature, with a specific focus on ML-based models.

Narendra D. Kaushika and Nalin K. Gautam Energy Yield Simulations of Interconnected Solar PV Arrays

Learn the basics of solar energy technology including solar radiation, photovoltaics (PV), concentrating solar-thermal power (CSP), grid integration, and soft costs.

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