

Title: Inverter three-phase current regulation

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The suggested 100 KW PV system in this study achieves reactive power regulation and sinusoidal three-phase output currents. Using MATLAB 2021b and Simulink software, the ...

The article is organized as follows: Section 2 describes the three-phase inverter model with the cascaded controllers including the linearized SRF-PLL representation.

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This abstract outline a proportional-integral (PI) controller and direct-quadrature (DQ) frame-based optimal control method for a three-phase grid-connected inverter using a ...

This paper proposes a simple current control scheme, based on the combination of deadbeat and PI control, for a three-phase voltage source inverter connected to the grid via an LCL filter.

This paper proposes a robust strategy for regulating the grid current entering a distribution network from a three-phase VSI system connected via a LCL filter. The strategy integrates an ...

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