Title: Dual-loop control of three-phase inverter
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As the core device of the new energy production system, the grid-connected inverter plays a crucial role in transforming new energy into electrical energy. Rega.

As to the concrete topology of three-phase LCL type grid-connected inverter with damping resistance, mathematical model was ...

According to the defects of traditional PI control, the paper presents a new method which is Proportional Complex Integral (PCI) control to implement the control of three-phase grid ...

A double loop control method is developed in this paper for a grid connected three phase inverter. The SVPWM strategy is developed to reduce the THD of inverter output voltage.

This article proposes a unified control for such inverters with current control, voltage control, and power control loops, including the ...

In this paper, we propose a new dual-loop adaptive control strategy for three-phase parallel inverters systems. For the outer voltage control loop, an AGESO-based SMC strategy ...

This paper has analyzed in detail the implementation principles and process of the three-phase LCL grid-tied inverter, and has adopted the dual closed-loop feedforward control method of ...

Symmetry of three-phase output voltage is one of the essential requirements for three-phase inverter. Conventional double-loop control strategy has a good contr.

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