
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.

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 ...

In order to improve the efficiency of three-phase LCL grid-connected inverter, a flexible harmonic current control strategy is proposed in this paper by introducing the functionality of harmonic ...

Aiming at the resonance peak problem existing in the LCL type three-phase photovoltaic inverter grid-connected system, this paper proposes a dual current contro

This paper presents a novel double closed-loop PI controller design method for a three-phase inverter based on a binary-coded ...

This paper presents a novel double closed-loop PI controller design method for a three-phase inverter based on a binary-coded extremal optimization (BCEO) algorithm.

Three-level three-phase four-leg (3L3P4L) inverter is widely used in uninterruptible power supply because it can provide a path for zero-sequence current compon

In this paper, a T-type three-level grid-connected inverter is used as the interface between the distributed power supply and the power grid, and the parameter design of the ...

Firstly, this article analyzes the working principle of the ZSI, Secondly, it establishes mathematical models of Z-source network and three-phase inverter, the transfer ...

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.

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