Three-phase grid-connected inverter repetitive control

In order to improve the static and dynamic responses of three-phase grid-connected inverter systems, this paper proposes a composite control consisting of a PI control and a repetitive ...

The conventional repetitive control (CRC) cannot obtain ideal control performance when a large number of renewable energy are connected to the new power system.

This paper discusses the design of a repetitive feedback controller for a grid-connected two-level three-phase voltage-source inverter connected between a DC source and ...

In this article, a novel control method of the grid-connected inverter (GCI) based on the off-policy integral reinforcement learning (IRL) method is presented to solve two-stage ...

In grid-connected inverters applications, numerous non-ideal factors, such as disturbances and uncertainties, affect the performance of the control system, whic

This paper discusses the design of a repetitive feedback controller for a grid-connected two-level three-phase voltage-source ...

Based on the three-phase four-wire 3L-NPC inverter, this paper proposed a controller design approach for grid-connected harmonic current suppression with PI-repetitive ...

This article proposes a unified control for such inverters with current control, voltage control, and power control loops, including the PLL impact on a b c - d q transformations as ...

Presented in this paper is a method of bidirectional real and reactive power control of a three-phase

grid-connected inverter under unbalanced grid situations.

Presented in this paper is a method of bidirectional real and reactive power control of a three-phase grid-connected inverter under ...

This paper discusses the design of a repetitive feedback controller for a grid-connected two-level three-phase voltage-source inverter connected between a DC source and the grid through an ...

This paper presents the modified repetitive control method for three-phase grid-connected inverters by means of a digital comb filter application. The proposed method ...

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

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