
In this paper, a composite voltage control scheme based on the combination of RLADRC, and the synchronous reference frame proportional-integral (SRFPI) control is ...

To address this issue, this article proposes a novel feedforward dual-mode repetitive control (FDMRC) scheme, which adjusts adaptively the repetitive control (RC) gains according to the ...

This study presents two-stage inverter topology for single-phase grid-connected photovoltaic (PV) applications and its control implementations. The two-stage systems are ...

A novel fractional-order repetitive control based on phase angle information interpolation is proposed for single-phase LCL-type inverters in this paper.

The modelling of a single-phase inverter is first introduced; then a first-order repetitive control is developed for the proposed grid-connected inverter.

First, the mathematical model of the system is obtained based on the frequency domain modeling method of the minimum phase system. Then, a composite controller ...

The primary focus of this paper is the design and evaluation of a control strategy for an LCL single-phase grid-connected inverter. Specifically, we present a detailed description ...

To this end, we first introduce the modelling of a single-phase inverter. Then, a first-order repetitive control is developed for the proposed grid-connected inverter.

To this end, we first introduce the modelling of a single-phase inverter. Then, a first-order repetitive control is developed for the ...

A reduced infinite-order repetitive control (RIORC) is presented for a single phase grid-connected PWM inverter in this paper. The RIORC is equivalent to 2 th order repetitive ...

As an e, e grid-connected inverter used to m e unstable DC r received by photovoltaic s into a morestableACrsupplydfeeditintoepublicgrid sant,hsalsodsigni5cant ...

Web: https://ruedasenmadrid.es