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Title: Photovoltaic cluster inverter resonance suppression

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In response to the key engineering problems of photovoltaic grid-connected inverter cluster resonance suppression affected by grid-connected inverter impedance, in this paper, a control strategy...

The experimental results show that the resonance can be effectively suppressed, and the photovoltaic cluster system can be safely and stably connected to the power grid to ensure the...

Abstract: A resonance problem in the cluster system of string-type photovoltaic cluster using LLCL type inverters, this paper analyzes the resonance mechanism of the cluster system and proposes a ...

In this article, I analyze string solar inverters, investigate the causes and hazards of resonance, develop a real-time monitoring mechanism for resonance frequency and amplitude based ...

To suppress grid-connected resonance, the mathematical model, resonance mechanism and resonance characteristics of the cluster inverters are analyzed, and a global resonance ...

The main research on inverter clusters with multiple parallel machines under weak grid includes the modeling of inverter cluster and the analysis of resonance characteristics and resonance ...

First, an engineering mathematical model of a 200 MW photovoltaic inverter cluster is established, and the mechanism of the active damping of the cluster inverter influenced by the ...

In order to suppress the resonance caused by the integration of photovoltaic inverter clusters into the grid, this paper proposes a photovoltaic inverter cluster resonance suppression ...

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