

Title: Dual-loop control single-phase inverter

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This paper presents a simplified hybrid modulation method for operating dual-active-bridge (DAB) converters that power inverters by integrating single-phase shift (SPS) and triple-phase shift ...

This article presents a comprehensive analysis and design of a dual-loop plus time-delay hybrid control strategy for single phase inverters, addressing these limitations through a novel ...

This paper presents a double-closed-loop PWM design and control method for single-phase inverter current inner loop and voltage outer loop. By establishing the mathematical model of ...

To ensure airport navigation lights can obtain high-quality backup stable AC power, we designed the dual-loop control single-phase full-bridge inverter for its backup power cabin.

A new approach of dual closed-loop control strategy is proposed, and the internal cause of the inverter output voltage waveform distortion is analyzed in this paper.

The control of single phase inverter for distributed generation is proposed in this paper. The Dual loop control with synchronous frame control for single phase inverter is analysed in the ...

In this chapter, an adaptive Lyapunov-based control scheme is proposed for a single-phase UPS inverter, which not only has inherent dual control loops to ensure better steady-state and ...

The utility model adopts a double-closed-loop control method, which has higher steady-state precision than the general digital closed-loop, has high-quality output waveforms, and has good...

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