

BATTERY CHARGING AND DISCHARGING DEVICE OF TWO-WAY HIGH-FREQUENCY

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Abstract

High-frequency two-way battery charging and discharging device is widely used in energy storage has become a research hotspot in recent years. The device consists of two-way high-frequency half-bridge DC-DC PWM rectifier circuit topology and composition. Describes the device and the principle of two-way high-frequency half-bridge DC-DC topology and control, as well as PWM rectifier control section were analyzed, the conclusion that the relevant waveform based on the experimental platform.

Keywords : Solar Energy Storage ; Bidirectional High-Frequency Half-Bridge DC-DC Topologies ;
PWM Rectifier ; Phase Shift

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