

## عنوان مقاله:

Simulation of Combined Boost Converter Behavior with Positive Output Voltage and Investigation of Voltage Ripple at Output

## محل انتشار:

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## خلاصه مقاله:

In this paper, the behavior of a hybrid back-boost converter with a positive output voltage is simulated. This converter consists of an amplifier voltage converter called KY converter and a modified synchronous converter (SR). The converter operates in continuous conduction mode (CCM) and has a non-shock output current, reducing the current stress in the output capacitor and reducing the output voltage ripple. Finally, in addition to describing the operation of the circuit, the correctness of the converter operation is simulated using PSP software.

## کلمات کلیدی:

,Buck Boost Converter, Continuous Conduction Mode, Modified Synchronous Converter, KY Converter  
مبدل باک بوست, هدایت پیوسته, مبدل سنکرون اصلاح شده, مبدل KY

## لینک ثابت مقاله در پایگاه سیویلیکا:

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