

عنوان مقاله:

Double Input Z-Source DC-DC Converter

محل انتشار:

دومین کنفرانس بین المللی الکترونیک قدرت و سیستم های درایو (سال: 1389)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

This paper proposes a double input dc-dc converter based on Z-source converters. In the proposed converter, the input dc voltage can be boosted and also input dc sources can deliver power to the load individually or simultaneously, so combination of a battery with one of the new energy sources such as solar array, wind turbine or fuel cell can be used as input sources. Different states of double input Z-source dc-dc converter are analyzed and then steady state operation of converter is explained in detail. Finally, the simulation results are presented to confirm the theoretical analysis.

کلمات کلیدی:

Z-source converter, double input, dc-dc converter

لینک ثابت مقاله در پایگاه سیویلیکا:

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