

عنوان مقاله:

Cooperative control of Fuel Cell in a VSI-based Microgrid considering Load changes

محل انتشار:

اولین کنفرانس ملی مهندسی برق دانشگاه آزاد اسلامی واحد لنگرود (سال: 1393)

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خلاصه مقاله:

As fuel cell systems originally have a large time constant to into the load, it is very critical in distributed generation systems specially based on Fuel cells to response more rapidly to disturbances. In this paper new method based on Ultracapacitor system (UC) and bidirectional buck-boost converter proposed to improve voltage & frequency response of fuel cell in condition of rapid load changes. To illustrate the validation of this method, proposed system has been employed into a small distribution system which is faced to rapid changes of load. This method has been simulated via Mat-Lab Simulink , and results of them have been proposed in the paper. Introduction

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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