

عنوان مقاله:

Comparison between Different Electrical Energy Generation Systems Used in Wind Turbines

محل انتشار:

پنجمین کنفرانس ملی مهندسی برق و الکترونیک ایران (سال: 1392)

تعداد صفحات اصل مقاله: 6

نویسندگان:

Ali Kashiha - Islamic Azad University Kermanshah, Iran

Mohammad Naser Hashemnia - Bahar Institute of Higher Education Mashhad, Iran

Hamdi Abdi - Razi University

خلاصه مقاله:

Nowadays, more attention has been paid to the application of wind turbines in electrical energy generation systems. Different electromechanical models have been so far suggested for wind energy extraction; they are mainly classified into constant speed and variable speed groups. Variable speed systems are preferred due to their lower torque ripples, higher extracted wind energy and higher efficiency. However, the cost of these systems is higher than that of the constant speed systems. The reason is the use of power electronics converters and control systems. In this paper the available wind generator systems are reviewed and their overall performance is compared.

کلمات کلیدی:

Constant Speed System; Electrical Energy Generation; Fixed Speed System; Wind Turbine

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