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Title: Permanent magnet single-phase inverter

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This paper proposes a new permanent magnet synchronous motor (PMSM) with ladder-connected winding. The proposed PMSM is able to drive only by a single-phase H-bridge ...

In order to solve the problems of low power factor and poor ability to resist grid voltage drop of single-phase AC input inverter, and obtain higher reliability, a single-phase AC ...

Our permanent magnet generator has an EMC filter built into a single phase inverter system. Harmonic distortion is very low ($<2\%$) and creates an ...

Introducing our 5kW Permanent Magnet Generator, designed for efficiency and reliability in various applications. This high-performance generator features a brushless ...

This variable speed system consists of a PMG (Permanent Magnet Generator), a single-phase inverter (with AC output and EMC filter) and a ...

This paper describes a sensor-less vector control of a single-phase permanent magnet synchronous motor using the d-axis output of synchronous reference frame current controller.

In this paper, a photovoltaic (PV) fed boost inverter-based permanent-magnet synchronous motor (PMSM)-driven water-pumping system for stand-alone applications is ...

This paper proposes a method of driving a permanent magnet synchronous motor (PMSM) with a single-phase inverter and a capacitor. The proposed system combines v

Design and simulation of a new inverter scheme are reported in the paper. The inverter is especially developed for an axial flux permanent synchronous generator ...

Our permanent magnet generator has an EMC filter built into a single phase inverter system. Harmonic distortion is very low ($<2\%$) and creates an excellent waveform, ensuring the safe ...

This paper proposes a method of driving a permanent magnet synchronous motor (PMSM) with a single-phase inverter and a capacitor. The proposed system combines variable speed and ...

This variable speed system consists of a PMG (Permanent Magnet Generator), a single-phase inverter (with AC output and EMC filter) and a linear actuator to regulate the engine revolutions.

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