

# Power electronics and motor control

Cambridge University Press - SiC Technology for Motor Control

Description: -

Reference

Business/Economics

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Fiction

General

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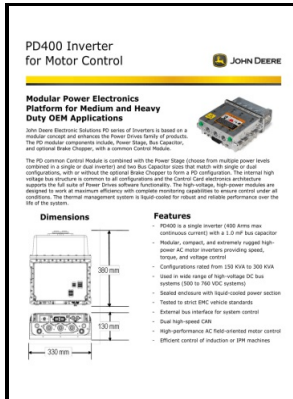
Electronic control.

Power electronics.Power electronics and motor control

-Power electronics and motor control

Notes: Includes bibliographical references (p. 531-535) and index.

This edition was published in 1995



Filesize: 66.52 MB

Tags: #Power #electronics #and #motor #control

## Lecture Notes

New York: Marcel Dekker, Inc. Controls and data are then provided and collected by wireless means, which greatly simplifies the wiring in the vehicle and offers the possibility of adding components to the vehicle without concerns of routing wires. Signals are encoded into pulses and passed across the isolation boundary using coreless transformers formed in the micromodule substrate.

## Power electronics and motor control

My problem is in the generator inverter control.

## Motor controller

Such a starter contains two DOL circuits — one for clockwise operation and the other for counter-clockwise operation, with mechanical and electrical interlocks to prevent simultaneous closure.

## Motor controller

The particular design of the gerotor compressor permits the integration of an electric generator within its outer rotor structure. In the case of an asynchronous motor, such as the , the motor will draw a high starting current until it has run up to full speed. The real-time simulation provides the students with a feel for electromechanical time constants and with the possibility to change design parameters such as inertia, friction coefficients, etc... Experiments that would be dangerous or impossible to conduct with hardware are now possible, thus greatly expanding the scope and reach of the laboratory.

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