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are advanced

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electrical machine

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power systems,

renewable
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text covers the

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areas in power
electronics and a
broad range of
topics such as
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devices, conversion
methods, analysis
and techniques,
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Circuits, Devices,**

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Static V-I
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control and
conversion of
electric power
using solid-state
techniques.

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refers to a subject
in electrical
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research that deals
with the design,
control,

computation, and
integration of

nonlinear, time-
varying energy
processing

electronic systems
with fast dynamics.

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tolerances. It also
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fundamental
aspects of the
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design of power
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converters, the

design of inductors
and transformers is

often still a trial-
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due to a long

working-in time for
these components.

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hybrid propulsion

using fuel cell,

photovoltaic, and

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currents, and
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