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15 - Multiphase Converters

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Abstract

Multiphase converters refer to converters with more than three phases and are converters by adding extra legs. From hardware point of view, as such there is n phase and a multiphase converter except the number of legs. However, control and higher degrees of redundancies are available. Multiphase power converters decade because of the developments in the field of high-power switching devic high-speed digital signal processors (DSPs) and high-density field-programmal in the area of multiphase converter is seen due to concern in developing clean energy generation system (especially wind energy system), and high-reliability Multiphase power converters are used in numerous applications depending up to AC, AC to AC, or DC to DC. The major applications of DC to AC converters are AC to AC and AC to DC are employed in multiphase renewable energy generatic finds its application in automotive industry.

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