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Power electronics is the application of solid-state electronics to the control and conversion of electric power. The first high power electronic devices were mercury-arc valves. In modern systems, the conversion is performed with semiconductor switching devices such as diodes, thyristors, and power transistors such as the power MOSFET and IGBT. In contrast to electronic systems concerned with transmission and processing of signals and data, in power electronics substantial amounts of electrical

Power electronics - Wikipedia

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Power Electronics Converters—An Overview - ScienceDirect

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Application of Power Electronics | Electrical4U

This title focuses on the study of both classical and power conversion electronic circuits, and their wide variety of applications in electronic equipment. It explains power converters that are used in all mobile applications, servers and modems. Astrop: Dokic, Branko L., Blanus, Branko

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