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Special power electronics devices (power insulated-gate bipolar transistors [IGBTs], power metal oxide field effect transistors [MOSFETs], diodes, thyristors, etc.) are used as switches to carry large currents and support large voltages (kilovolts in high-

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Topics**

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range in size from a switched
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adapter, battery chargers, audio amplifiers, fluorescent lamp ballasts, through variable frequency drives and DC motor drives used to operate pumps, fans, and manufacturing machinery, up to gigawatt-scale high voltage direct current power

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transmission systems used to interconnect electrical grids. Power electronic systems are found in virtually every electronic device.

Power electronics - Wikipedia

Electronics is an applied form of

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