



Power Electronics and Motor Drives (Hardback)

By -

Taylor Francis Inc, United States, 2011. Hardback. Book Condition: New. 2nd Revised ed.. 259 x 180 mm. Language: English . Brand New Book. The Industrial Electronics Handbook, Second Edition combines traditional and newer, more specialized knowledge that will help industrial electronics engineers develop practical solutions for the design and implementation of high-power applications. Embracing the broad technological scope of the field, this collection explores fundamental areas, including analog and digital circuits, electronics, electromagnetic machines, signal processing, and industrial control and communications systems. It also facilitates the use of intelligent systems-such as neural networks, fuzzy systems, and evolutionary methods-in terms of a hierarchical structure that makes factory control and supervision more efficient by addressing the needs of all production components. Enhancing its value, this fully updated collection presents research and global trends as published in the IEEE Transactions on Industrial Electronics Journal, one of the largest and most respected publications in the field. Power Electronics and Motor Drives facilitates a necessary shift from low-power electronics to the high-power varieties used to control electromechanical systems and other industrial applications. This volume of the handbook: * Focuses on special high-power semiconductor devices * Describes various electrical machines and motors, their principles of operation,...



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