



Home Study Course in Practical Electricity Volume 1; An Electrical Catechism . (Paperback)

By William Hiram Radcliffe

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1916 Excerpt: .ideal shape of an alternating electromotive force or current curve. The exact form of an alternating electromotive force curve in any given alternating-current generator or alternator depends upon the design and construction of the machine, and the exact form of an alternating-current curve depends upon the conditions of the circuit to which the current is supplied. For the sake of simplicity the most elementary type of dynamo has been chosen to illustrate the preceding principles. Such a machine could develop at best but a very low electromotive force, it would have little output and the frequency would be very small. In the common types of alternators used in practice, therefore, where the electromotive forces range from 1,000 to 13,000 volts, the outputs from 30 to 5,000 kilowatts, and the frequencies from 25 to 140 cycles per second, the higher electromotive forces are attained by increasing the...



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