

## Book Review

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### *Battery Technology Handbook*

Author H. A. Kiehne. Published by Marcel Dekker Inc., New York, 1989, 528 pp.  
Price US\$ 135 (U.S.A. and Canada) and US\$ 162 (all other countries).

*Battery Technology Handbook* illustrates the technical level presently obtainable from commercial batteries and details both current and potential applications. The origins of this handbook have resulted in a degree of repetition between the chapters both in Part I covering traction and back-up power supply, and in Part II on portable batteries. The majority of the text tends to focus on the well-established battery system viz; lead/acid, nickel/cadmium and lithium primary, providing practical examples of their use. Relatively little space is given to the emerging high-energy batteries such as sodium/sulphur and lithium/iron sulphide that are currently under development.

Battery charging methods are described in some detail with technical data for both lead/acid and nickel/cadmium batteries. A section on standards includes dry cells, starter and traction batteries. One omission from the final chapter on development trends of lithium batteries appears to be that of polymeric electrolytes. Primarily aimed at the potential battery user this technology handbook would certainly benefit from a more extensive index.

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