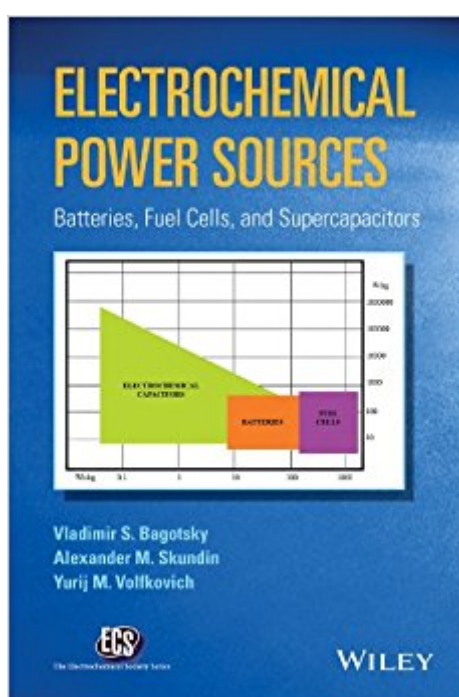


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# Electrochemical Power Sources: Batteries, Fuel Cells, And Supercapacitors (The ECS Series Of Texts And Monographs)



## Synopsis

Electrochemical Power Sources (EPS) provides in a concise way the operational features, major types, and applications of batteries, fuel cells, and supercapacitors • Details the design, operational features, and applications of batteries, fuel cells, and supercapacitors • Covers improvements of existing EPSs and the development of new kinds of EPS as the results of intense R&D work • Provides outlook for future trends in fuel cells and batteries • Covers the most typical battery types, fuel cells and supercapacitors; such as zinc-carbon batteries, alkaline manganese dioxide batteries, mercury-zinc cells, lead-acid batteries, cadmium storage batteries, silver-zinc batteries and modern lithium batteries

## Book Information

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## Customer Reviews

• Electrochemical Power Sources: Batteries, Fuel Cells, and Supercapacitors • is an excellent introductory text to electrochemical energy devices which covers material considerations, historical developments of the technology and future prospects, spanning fundamental mechanisms to engineering challenges at a high level perspective. The supercapacitor section in particular goes into much more detail of the materials. This text would be most useful for students studying an introduction to electrochemistry course. • (Johnson Matthey Technology Review, 1 October 2015)

Covering operational features, major types, and applications of batteries, fuel cells, and supercapacitors Electrochemical Power Sources provides a concise description of the three main classes of electrochemical power sources; batteries, fuel cells, and supercapacitors. It covers all aspects of the design, operational features, applications, and performance of electrochemical power sources from the most typical battery types, fuel cells, and supercapacitors. Written in an accessible manner the book details the design, operational features, and applications of all three of these power sources Through contributions from leading experts in diverse fields, Electrochemical Power Sources features: Design, operational features, and applications of batteries, fuel cells, and supercapacitors Improvements of existing Electrochemical Power Sources and the development of new kinds of EPS as the results of intense R&D work Outlook for future trends in fuel cells and batteries

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