



Electric Vehicles in Energy Systems

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This book discusses the technical, economic, and environmental aspects of electric vehicles and their impact on electrical grids and energy systems. The book is divided into three parts that include load modeling, integration and optimization, and environmental evaluation. Theoretical background and practical examples accompany each section and the authors include helpful tips and hints in the load modeling and optimization sections.

This book is intended to be a useful tool for undergraduate and graduate students, researchers and engineers who are trying to solve power and engineering problems related electric vehicles.

- Provides optimization techniques and their applications for energy systems;
- Discusses the economic and environmental perspectives of electric vehicles;
- Contains the most comprehensive information about electric vehicles in a single source.