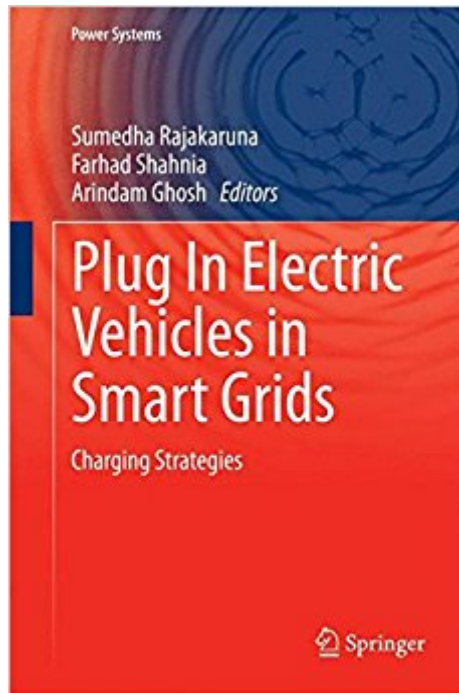


The book was found

Plug In Electric Vehicles In Smart Grids: Charging Strategies (Power Systems)



Synopsis

This book covers the recent research advancements in the area of charging strategies that can be employed to accommodate the anticipated high deployment of Plug-in Electric Vehicles (PEVs) in smart grids. Recent literature has focused on various potential issues of uncoordinated charging of PEVs and methods of overcoming such challenges. After an introduction to charging coordination paradigms of PEVs, this book will present various ways the coordinated control can be accomplished. These innovative approaches include hierarchical coordinated control, model predictive control, optimal control strategies to minimize load variance, smart PEV load management based on load forecasting, integrating renewable energy sources such as photovoltaic arrays to supplement grid power, using wireless communication networks to coordinate the charging load of a smart grid and using market price of electricity and customers payment to coordinate the charging load. Hence, this book proposes many new strategies proposed recently by the researchers around the world to address the issues related to coordination of charging load of PEVs in a future smart grid.

Book Information

Series: Power Systems

Hardcover: 326 pages

Publisher: Springer; 2015 edition (November 29, 2014)

Language: English

ISBN-10: 9812873163

ISBN-13: 978-9812873163

Product Dimensions: 6.1 x 0.8 x 9.2 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,091,768 in Books (See Top 100 in Books) #109 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Economics #146 in Books > Engineering & Transportation > Engineering > Reference > Measurements #470 in Books > Business & Money > Industries > Energy & Mining > Oil & Energy

[Download to continue reading...](#)

Plug In Electric Vehicles in Smart Grids: Charging Strategies (Power Systems) Control and Optimization Methods for Electric Smart Grids (Power Electronics and Power Systems) SEO 2016 Learn Search Engine Optimization With Smart Internet Marketing Strategies: Learn SEO with smart

internet marketing strategies Ajax Construction Kit: Building Plug-and-Play Ajax Applications
Internet Explorer Plug-In and Activex Companion Electric and Hybrid Vehicles: Design
Fundamentals Beginning Power BI with Excel 2013: Self-Service Business Intelligence Using Power
Pivot, Power View, Power Query, and Power Map Power Pivot and Power BI: The Excel User's
Guide to DAX, Power Query, Power BI & Power Pivot in Excel 2010-2016 Networks and Grids:
Technology and Theory (Information Technology: Transmission, Processing and Storage) Crystal
Grids: How to Combine & Focus Crystal Energies to Enhance Your Life Gifts of Mother Earth: Earth
Energies, Vortexes, Lines, and Grids Basics Design 07: Grids, 2nd Edition Hybrid and Alternative
Fuel Vehicles (4th Edition) (Automotive Systems Books) Electric Pressure Cooker Cookbook: 25
Best Electric Pressure Cooker Recipes for Busy People The Complete Electric Bass Player - Book
3: Electric Bass Improvisation ELVIS: Pure Gold (Arrangement for Mixed Chorus SATB with Piano,
Electric Guitar, Electric Bass and Percussion) The Power Brokers: The Struggle to Shape and
Control the Electric Power Industry (MIT Press) Bicycles: Pedal Power (Vehicles on the Move)
Global Health Systems: Comparing Strategies for Delivering Health Systems Forex: Strategies -
Best Forex Trading Strategies For High Profit and Reduced Risk (Forex, Forex Strategies, Forex
Trading, Day Trading Book 2)

[Dmca](#)