

1. Record Nr.	UNINA9910132273803321
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Titolo	Fundamentals and applications of lithium-ion batteries in electric drive vehicles // Jiuchun Jiang and Caiping Zhang
Pubbl/distr/stampa	Singapore : , : John Wiley & Sons Inc., , 2015 ©2015
ISBN	1-118-41481-0 1-118-41479-9 1-118-41480-2
Edizione	[1st edition]
Descrizione fisica	1 online resource (299 p.)
Disciplina	629.25/02
Soggetti	Electric vehicles - Batteries Lithium ion batteries
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Title Page; Copyright; Contents; About the Authors; Foreword; Preface; Chapter 1 Introduction; 1.1 The Development of Batteries in Electric Drive Vehicles; 1.1.1 The Goals; 1.1.2 Trends in Development of the Batteries; 1.1.3 Application Issues of LIBs; 1.1.4 Significance of Battery Management Technology; 1.2 Development of Battery Management Technologies; 1.2.1 No Management; 1.2.2 Simple Management; 1.2.3 Comprehensive Management; 1.3 BMS Key Technologies; References; Chapter 2 Performance Modeling of Lithium-ion Batteries; 2.1 Reaction Mechanism of Lithium-ion Batteries 2.2 Testing the Characteristics of Lithium-ion Batteries 2.2.1 Rate Discharge Characteristics; 2.2.2 Charge and Discharge Characteristics Under Operating Conditions; 2.2.3 Impact of Temperature on Capacity; 2.2.4 Self-Discharge; 2.3 Battery Modeling Method; 2.3.1 Equivalent Circuit Model; 2.3.2 Electrochemical Model; 2.3.3 Neural Network Model; 2.4 Simulation and Comparison of Equivalent Circuit Models; 2.4.1 Model Parameters Identification Principle; 2.4.2 Implementation Steps of Parameter Identification; 2.4.3 Comparison of Simulation of Three Equivalent Circuit Models 2.5 Battery Modeling Method Based on a Battery Discharging Curve 2.6

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Sommario/riassunto

A theoretical and technical guide to the electric vehicle lithium-ion battery management system. Covers the timely topic of battery management systems for lithium batteries. After introducing the problem and basic background theory, it discusses battery modeling and state estimation. In addition to theoretical modeling it also contains practical information on charging and discharging control technology, cell equalisation and application to electric vehicles, and a discussion of the key technologies and research methods of the lithium-ion power battery management system. The author systematically
