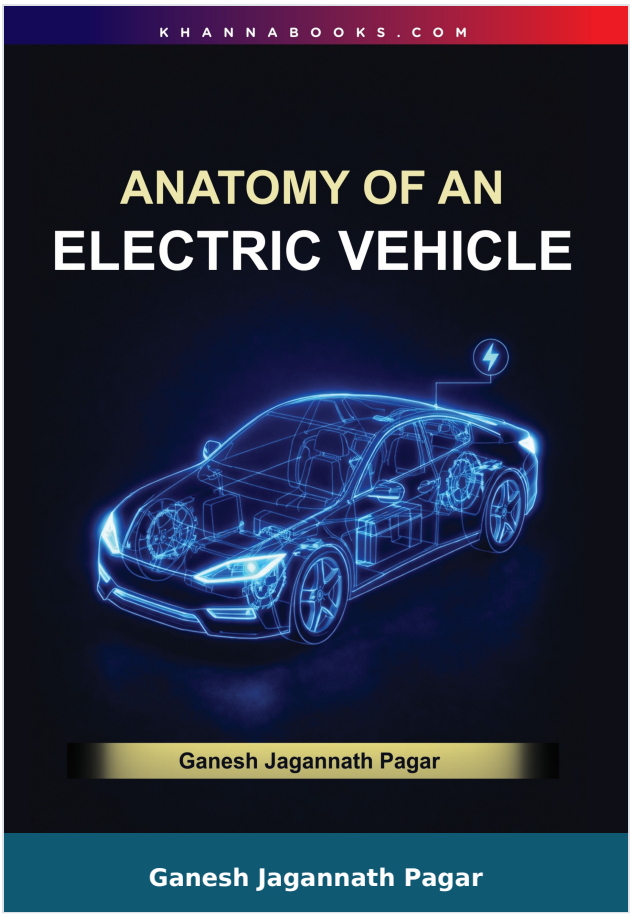

Anatomy of An Electric Vehicle

Author :	Ganesh Jagannath Pagar
ISBN 13 :	978-93-74547-99-1
ISBN 10 :	9374547996
E-ISBN 13 :	978-93-74547-99-1
Edition :	First
Pages :	164
Type of book :	Physical
Year :	2026
Language :	English
Publisher :	Khanna Publishing House
M.R.P :	Rs 295.00
Categories :	New Arrivals, Automobile Engineering, Book Store
Condition Type :	New
Country Origin :	India

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Product Description

Anatomy of An Electric Vehicle

This book has been written with a simple and clear purpose, to help readers understand electric vehicles in an easy and practical way. As a teacher and an author, I have often noticed that many students and technology enthusiasts are curious about EVs, but they get overwhelmed by complicated technical terms. This book is my effort to make that journey easier and more enjoyable.

In these pages, you will learn how electric vehicles work, their key components, vehicle layouts, and battery technologies. I have also explained how EVs compare with conventional vehicles, along with insights into the growth of electric mobility in India, important government policies, and real-world examples from leading manufacturers. Every topic is presented step by step in simple language so that beginners, students, and technical learners can build strong fundamentals without feeling lost.

My aim is not only to share information but to build real understanding and confidence about the future of mobility. I truly hope this book encourages readers to explore further, keep learning, and become part of the exciting and evolving world of electric vehicles.

Salient Features:

- **Fundamentals of Electric Vehicles**: Clear explanation of EV basics, working principles, and how they differ from conventional vehicles.
- **Core EV Components Explained**: Structured understanding of battery packs, electric motors, power electronics, and control systems.
- **Vehicle Layout and Architecture**: Simple explanation of EV design, including battery placement and motor configuration.
- **Battery Technology**: Covers lithium-ion batteries and emerging future battery technologies.

Khanna Publishing House
4C/4344, Ansari Road, Daryaganj, New Delhi-110002
Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

- **Charging Systems and Infrastructure**: Overview of home charging, fast charging, and the importance of charging networks.
- **Indian EV Policies and Industry Insights**: Discusses government initiatives like the FAME India Scheme and examples from leading manufacturers such as Tesla.
- **Student-Friendly Learning Approach**: Written in simple language, ideal for diploma, engineering, and technical students.

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320

Table Of Contents

- Electric Vehicles
- Vehicle Mechanics
- Transmission Systems
- Vehicle Fundamentals
- Conversions and Motors
- Hybrid Powertrain

Author

Ganesh Jagannath Pagar

Ganesh Jagannath Pagar

Khanna Publishing House

4C/4344, Ansari Road, Daryaganj, New Delhi-110002

Email: contact@khannabooks.com | Tel: 011-2324 44 47 - 48 | Mobile: +91-99109 09320