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BASIC PRINCIPLES

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The different transmission paths for wireless power transfer, recent standards, basic principles of inductive components and basic transformer models as well as simulation models give the reader a basic knowledge of wireless power transfer systems.

WPT SYSTEMS

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This chapter shows a detailed overview of different amplifier topologies, correct selection of the possible coil combination and correct selection of the FET's which are needed to realize a wireless power transfer system.

APPLICATIONS

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In this chapter, the reader will find a various overview of WPT proprietary solutions and radiated EMI challenges. Multimode WPT systems and suitable filters will be explained.

APPENDICES

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A dictionary for quick searches including technical explanations round off this book.