

Design and construction of power and charging systems for electric vehicles

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Abstract: In the context of the rapid development of electric vehicle technology, the design and construction of power and charging systems for electric cars have become critical issues. This topic aims to address the problems of charging efficiency and energy usage optimization for electric vehicles. Through a combination of theoretical research and experimentation, the project will provide a comprehensive solution for fast and safe charging. The expected outcome is a significant improvement in the user experience for electric vehicle owners, contributing to the sustainable development of the automotive industry.

Keywords: Electric vehicles, charging systems, renewable energy, charging optimization, fast charging technology.