

Survey of Electric Vehicles

Background and problem: Electric vehicles are emerging from a niche product to a mass-produced article. Almost every large car manufacturer has launched a model series of fully battery-powered cars, often with a very different driving and usage philosophy in mind.

Task: Give an overview of actual plug-in hybrid and fully electric vehicles of different manufacturers. Please describe each car in detail including the type of battery, its capacity and voltage, the maximum electrical power, the usable range, the charging concept and the concept of the drive train, including e.g. a gearbox. The main objective of this work is literature analysis.

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