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## **EV Charging Station using RFID Technology based on Solar**

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**Abstract:** Electric vehicles, a new and developing technology in the electrical and transportation sectors, provide several benefits from an economic and environmental perspective. This study offers a thorough review of several electric car models as well as their ancillary equipment, such as battery chargers and charging stations. Commercial and prototype electric vehicles' electric range, battery size, charger power, and charging time have all been compared. The many types of electric vehicle charging stations and industry standards have been discussed, along with the impact of these stations on utility distribution networks.

Keywords: Electric vehicle, charging station, battery charger, standards

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