

Renewable Energy Sources Based Electric Vehicle Charging Considering Radio Frequency Identification

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Abstract: *An electric vehicle is a new and upcoming technology in the transportation and power sector that has many benefits in terms of economic and environmental. This study presents a comprehensive review and evaluation of various types of electric vehicles and their associated equipment in particular battery chargers and charging stations. A comparison is made on the commercial and prototype electric vehicles in terms of electric range, battery size, charger power, and charging time. The various types of charging stations and standards used for charging electric vehicles have been outlined and the impact of electric vehicle charging on utility distribution systems is also discussed*

Keywords: Battery charger, charging station, electric vehicle, standards.

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