

Wireless Charging for EV

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Abstract: *Electric vehicles are today's zero emission vehicular technology which are considered as the future of automotive industry. The batteries of the vehicles get charged in order to drive the vehicle. The methodology of charging the electric vehicle currently is through plug-in method where the charging station charges the battery of an electric vehicle. However, an alternative method for charging the battery of an electric vehicle is through Wireless Power Transfer where it can be as a Static system. Static charging System can be implemented to charge the batteries of the electric vehicles when the vehicle is parked in static mode. This method of wireless charging of electric vehicle is done through inductive power transfer where wireless transmission of power is achieved by mutual induction of magnetic field between transmitter and receiver coil. The type of charging system we have implemented is static charging system.*

Keywords: Electric vehicles

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