

circuit. A capacitor or condenser is a passive electronic component consisting of a pair of conductors separated by a dielectric, used for storing electric charge.

IV. CONCLUSION

Developing a fundamental theoretical model to analyze the resonant. Inductively coupled wireless power transfer system for battery charging of Electric vehicle. Intending an experimental setup of resonance based wireless power Transfer system to examine its performance. Elucidating the effect of design and operating parameters to arrive at an optimal solution for designing a suitable and efficient wireless power Transfer system under non-ideal charging scenarios. Examining the effect of proximal metallic objects on the performance of wireless power transfer system and propose a solution to maintain the Optimum power transfer efficiency under unusual charging conditions.

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