

A Comparative Study of Various Core Design for Multiple Charging Stations in Drone Wireless

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Abstract

Since one of the disadvantages of the drones is the short driving time, a wireless charging system for the drones is needed which does not inconvenience charging. Also, given the specificity of the drones, multiple charging stations are needed in wireless charging system for drone.

Depending on the application, a suitable core design is required in the wireless charging system.

In this paper, various types of cores is compared in wireless charging system where four drones can be charged wirelessly.

Keywords: *Wireless Charging System, Core Design, Drone*

Biography

Cheol-Hee Jo received the B.S. degrees in department of electrical engineering from Chonnam National university, Gwangju, South Korea, in 2019.

He is currently a MS student in the electrical engineering department of the Pusan National University. His research interest includes the wireless power transfer