

Cost-Effectiveness Analysis of Folding Container Two-Way Charging System Distributor

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Addressing this research gap holds substantial promise in advancing sustainable EV charging infrastructure. This study endeavors to fill this void by presenting the sizing design and cost analysis of a ...

In different types of wireless charging containers, all possible current flow conditions are analyzed and simulated. Additionally, optimal current flow schemes for uniforming the magnetic field distribution in different ...

Based on these insights, we propose a hypothesis regarding the use of FLDs by which they can lower empty container volumes to be relocated, resulting in fewer CMCs and shorter container handling times while ...

This paper introduces three different shapes of wireless charging containers (i.e. quadrangular prism, octagonal prism, and hexagonal prism) and presents optimal current flow designs for the coils to ...

The presented foldable container passed the tests for international certifications ISO 1496-1 and CSC required for its application on site. Differently from the 4:1 folding ratio adopted by most previous ...

This study seeks to explore the effectiveness of employing foldable containers (FLDs) in liner shipping to reduce relocation and the empty containers and bunker costs (BCs) associated with...

Then, the optimal cost-effectiveness combination is selected for EV dynamic charging. The corresponding performances of the proposed charging system are compared and analyzed by both simulation and ...

In this paper, we analyse the opportunities for commercial application of foldable containers. For this purpose a cost-benefit analysis is adopted in which four logistic concepts to use foldable containers are presented as ...



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In this paper we analyse why previous initiatives for foldable containers failed and discuss the conditions required for successful commercial applications.

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