Bidirectional charging via folding containers for highways

This synthesis identifies key issues and considerations that factor into stakeholder perspectives and the business cases for potential stakeholder adoption of bidirectional electric vehicles, charging ...

The aim of the project was to optimise the geographical and temporal distribution of surplus energy from renewable energy systems (RE systems) using bi-directional electric vehicles (BEVs) with intelligent ...

As a result, the proposed bidirectional high gain charger gives a cost-effective, compact, highly reliable, and efficient charging option for LEV batteries and is readily applicable for the active charging of LEVs.

The Bidirectional Charging project, which began in May 2019, aimed to develop an intelligent bidirectional charging management system and associated EV components to ...

By addressing these factors, the paper aims to provide an initial roadmap for realizing the practical benefits of bidirectional charging technology in Dresden"s urban context, contributing to the city"s ...

In particular, we examine the potential cost savings of electrical generation infrastructure by enabling flexible charging and bidirectional charging for these trucks.

The flexibility of electric vehicles can be used by means of bidirectional charging in numerous applications to promote self-sufficiency, save costs and support the energy sector via grid and ...

Bidirectional electric vehicles (EV) employed as mobile battery storage can add resilience benefits and demand-response capabilities to a site"s building infrastructure.

Can truck mobile chargers and fixed Chargers be coordinated on highways?This paper presents a bilevel planning framework to coordinate truck mobile chargers (TMCs) and fixed chargers (FCs) on ...

Learn how your EV can power your home during outages with bidirectional charging.

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