Two-way charging of solar-powered containers for field research

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This research investigates the development of a solar-powered charging system for electric vehicles (EVs) to address the growing demand for sustainable and efficient charging solutions.

This paper presents the development of a portable solar panel wireless charging device with an advanced charging algorithm. The device ...

This project aims to pioneer the development and construction of an advanced solar-powered electric vehicle charging station.

This could power a tiny home or other small off-grid setup like a hunting cabin. For me though, I"ll start with just keeping my electric tractors and ...

This paper presents the design and simulation of a 4 kW solar power-based hybrid EV charging station.

To provide a portable charging solution across diverse sectors, this paper proposes an innovative development of a solar-powered multi-functional portable charging device (SPMFPCD) ...

The research project focuses on developing a solar-powered charging station that is activated by recyclable plastic bottles, aiming to address plastic waste ...

The European Solar Charter, signed on 15 April 2024, sets out a series of voluntary actions to be undertaken to support the EU photovoltaic sector. In 2023, the solar photovoltaic sector in the EU ...

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Abstract: This article introduces a spatial wireless charging system featuring a cubic transmitter (Tx) designed for strong and uniform magnetic field distribution inside the Tx container.

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