Microgrid Electric Race STC

This paper studies the design and control strategies of an electric vehicle charging station in a mixed AC/DC microgrid using a modular multilevel converter (MMC) based solid-state ...

In this brief, an adaptive dynamic programming (ADP)-based self-triggered control (STC) method was proposed to address the optimization control problem of power buffer systems in DC microgrids.

A novel STC-DAB converter topology has been suggested for the controlled charging and discharging of electric vehicle batteries. The SPS control strategy is presented to regulate the power ...

The Microgrid Cost Study is focused on identifying the costs of components, integration, and installation of existing U.S. microgrids and project cost improvements and technical accelerators ...

Until now, touring car racing has taken place with petrol-engine cars. But in 2024, that"s about to change, as the Scandinavian Touring Car Championship (STCC) will become the first ...

This paper synthesizes existing technologies and offers insights for future research aimed at advancing the sustainability, efficiency, and economic viability of microgrids.

As electric vehicles (EVs) continue to rise in popularity, there has been an intensified focus on the distribution of power within hybrid renewable energy systems.

This research presents a strategy for managing energy scheduling within an electrical microgrid, with a specific focus on enhancing the integration of electric vehicles (EVs).

These findings highlight its potential as a promising solution for enhancing the reliability and resilience of modern hybrid microgrids with high renewable and electric vehicle integration.

Microgrid Electric Race STC

Web: https://www.inalaaccelerator.co.za