Energy storage for electric vehicles bloemfontein

Energy storage for electric vehicles bloemfontein

Feature papers represent the most advanced research with significant potential for high impact in the field. A Feature Paper should be a substantial original Article that involves several techniques or approaches, provides an outlook for future research directions and describes possible research applications.

Editor"s Choice articles are based on recommendations by the scientific editors of MDPI journals from around the world. Editors select a small number of articles recently published in the journal that they believe will be particularly interesting to readers, or important in the respective research area. The aim is to provide a snapshot of some of the most exciting work published in the various research areas of the journal.

Dai, Q.; Liu, J.; Wei, Q. Optimal Photovoltaic/Battery Energy Storage/Electric Vehicle Charging Station Design Based on Multi-Agent Particle Swarm Optimization Algorithm. Sustainability 2019, 11, 1973. https://doi /10.3390/su11071973

Dai Q, Liu J, Wei Q. Optimal Photovoltaic/Battery Energy Storage/Electric Vehicle Charging Station Design Based on Multi-Agent Particle Swarm Optimization Algorithm. Sustainability. 2019; 11(7):1973. https://doi /10.3390/su11071973

Dai, Qiongjie, Jicheng Liu, and Qiushuang Wei. 2019. "Optimal Photovoltaic/Battery Energy Storage/Electric Vehicle Charging Station Design Based on Multi-Agent Particle Swarm Optimization Algorithm" Sustainability 11, no. 7: 1973. https://doi /10.3390/su11071973

Dai, Q., Liu, J., & Wei, Q. (2019). Optimal Photovoltaic/Battery Energy Storage/Electric Vehicle Charging Station Design Based on Multi-Agent Particle Swarm Optimization Algorithm. Sustainability, 11(7), 1973. https://doi /10.3390/su11071973

Energy storage for electric vehicles bloemfontein

To address this challenge, this paper proposes a novel control strategy that integrates a HESS comprising batteries, supercapacitors, and PV panels with machine learning algorithms. By leveraging ML"s ability to learn and adapt to complex and changing systems, the proposed control strategy aims to optimize power flow in real-time, ensuring optimal performance and efficiency.