

Title: Bidding Price for Two-Way Charging of Mobile Energy Storage Containers

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Is there an operational price-taker bidding strategy?

Therefore, an operational price-taker bidding strategy of the DESSs, combined with users that participate in the SM, has been proposed in the present study.

What is a two-layer bid quantity model?

2) A two-layer bid quantity model for DESS joint users to participate in the SM has been proposed, where the optimal trading strategy has been devised to maximize the daily revenue of the DESSs in the upper layer, while the clearing model guides the bid quantity strategy of the upper-layer DESSs through market price signals.

Do distributed energy storage systems play a dual role of generation and consumption?

As an emerging flexible resource in the power market, distributed energy storage systems (DESSs) play the dual roles of generation and consumption (Kalantar-Neyestanaki and Cherkaoui, 2021; Li et al., 2021), thereby complicating the market dynamics for energy storage users.

Do large-scale energy storage systems operate independently in the SM?

Currently, large-scale energy storage systems mainly operate independently in the SM, both on the generation (Gao et al., 2021; Gu and Sioshansi, 2022) and grid sides (Jiang et al., 2020; Abdelghany et al., 2024).

Therefore, an operational price-taker bidding strategy of the DESSs, combined with users that participate in the SM, has been proposed in the present study.

In this paper, a hybrid optimization algorithm for energy storage management is proposed, which shifts its mode of operation between the deterministic and rule-based ...

Strategy uses electric market prices to ease power congestion, maximize Mobile Energy Storage Systems (MESS) benefits, and boost clean energy use. Considers MESS ...

When the load of a distribution system approaches its limit, additional EV charging demand is met by the BES, and the price is determined in an automated two-way bidding ...

In this paper, a novel bidding space model is constructed for PSCSs, which dynamically integrates electric vehicles, photovoltaic generation, and energy storage.

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Source: <https://smart-telecaster.es/Fri-16-Apr-2021-16559.html>

Website: <https://smart-telecaster.es>

This paper develops an efficient price-sensitive bidding strategy to reduce electric energy cost for operating a wireless charging road with an energy storage system.

article pdf uploaded. World Electr. Veh. J.

Strategic bidding significantly influences Battery Charge/Discharge Revenue (BCR) for energy storage by altering price ...

Based on the flexible load-storage characteristics of electric vehicles, this paper proposes a secondary bidding strategy for electric vehicle charging stations in the day-ahead ...

Therefore, an operational price-taker bidding strategy of the DESSs, combined with users that participate in the SM, has been ...

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