

High-efficiency photovoltaic containerized bidding price





Overview

Does a bidding strategy optimize the profit of PV and Bess?

This study proposes a bidding strategy for PV and BESSs operating in joint energy and frequency regulation markets, with a specific focus on carbon reduction benefits. A two-stage bidding framework that optimizes the profit of PV and BESSs is presented.

Can a bidding strategy improve grid frequency regulation?

The case study results demonstrate that the proposed bidding strategy not only enables the PV and BESSs to effectively participate in the grid frequency regulation response but also yields considerable carbon emission reduction benefits and effectively improves the system operation economy.

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.



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