

What is the optimal bidding strategy for a renewable-based virtual power plant?

Optimal bidding strategy of a renewable-based virtual power plant including wind and solar units and dispatchable loads [J] A risk-based gaming framework for VPP bidding strategy in a joint energy and regulation market [J] Iranian Journal of Science and Technology, Transactions of Electrical Engineering, 43 (2019), pp. 545 - 558 H. Wang, L.

How data based bidding strategies can be used in electricity markets?

With the development of data methods, the historical data of power systems and electricity markets can play significant roles in market bidding modeling, market analysis, and decision-making. The data-driven bidding strategies will be a feasible research direction.

Can Repps predict electricity spot market bidding strategies?

A literature review is carried out in this paper, focusing on bidding strategies in electricity spot markets from the perspective of REPPs. The output uncertainty prediction and modeling, the roles of REPPs in the spot market, the bidding strategies, and the algorithms for model solving are fully expounded.

What data do we need to build a suitable bidding strategy?

Data on the electricity market and the power systems are needed for building a suitable bidding strategy. Commonly, the predicted output of the REPPs, the available capacity of flexible resources, the predicted load demands, and the predicted market prices are given in the existing literature.

How to predict photovoltaic power output in the day ahead?

The day-ahead bidding of wind power was guided based on the classification characteristics. In , a dynamic modification method was proposed for the photovoltaic power output prediction in the day ahead, using solar radiation and air temperature forecast results.

What is the optimal bidding strategy of wind power producers?

Optimal bidding strategy of wind power producers in pay-as-bid power markets[J] A hybrid approach based on IGDT-MPSO method for optimal bidding strategy of price-taker generation station in day-ahead electricity market [J]

2? The application of CHIKO Solar Energy in the field of photovoltaic brackets. CHIKO Solar is a world leading manufacturer of solar brackets, headquartered in Shanghai and established in 2010. It has a production scale of 1000MW ...

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