# The wholesale price of a folding container bidirectional charging station is lower than that of a traditional generator

Do distribution networks and charging stations have a bilevel pricing methodology?
This paper addresses the pricing issues of distribution networks and charging stations (CSs) simultaneously,proposing a bilevel noncooperative pricing methodologythat considers traffic flow,power flow,and renewable energy integration.

What is a centralized bilevel charging strategy for plug-in electric vehicles?
A centralized bilevel charging strategy for plug-in electric vehicles (PEVs) was presented in ,aiming to coordinate the charging behavior from both spatial and temporal viewpoints. This strategy considered the benefits for the grid and EV users simultaneously.

Can a centralized charging strategy improve battery swapping stations?
The authors in  developed a centralized charging strategy for battery swapping stations (BSSs) using an improved population-based heuristic algorithm. It took into account the optimal charging priority and locations of EVs based on spot pricing and minimized the total charging cost and impacts on power quality.

Does CSS pricing affect EV charging decisions?
A dynamic charging price demand function was proposed in  to guide EV users to strategically choose the fast-charging stations while considering multiple demands of EVs, CSs, and the distribution network. The authors in  built a hierarchical game model to jointly settle the problem of CSs pricing and EV charging decisions.

With their onboard battery, EVs can relocate energy supply spatially and temporally. In this study, we envision that the future deployment of bidirectional charging lanes is capable ...

We propose a multi-type bidirectional power transfer network and minimize the system cost by determining facility siting and pricing, which can be modeled as a bi-level ...

The bidirectional EV charger power module market is poised for significant growth, driven by the accelerating adoption of electric vehicles (EVs) and the increasing demand for ...

Results demonstrate that the proposed dynamic price of the game (DPG) significantly enhances the EV charging market environment compared to traditional time-of-use tariffs or flat rates.

To validate this pricing methodology, an integrated traffic and power distribution network testbed based on the Dublin area was established. Results demonstrate that the ...

Other strategies with more constraints and in different settings indicate somewhat to significantly lower revenues and higher emissions. Sensitivity analysis shows that charging ...