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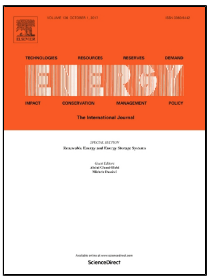

Two Alternative Robust Optimization Models for Flexible Power Management of Electric Vehicles in Distribution Networks

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Highlights:

- A robust optimization problem of the flexible bidirectional power management is presented.
- Two alternative robust optimization approaches have been implemented and tested.
- The results show that the MINLP model can be substituted by the proposed high-speed MILP model.
- The payment of EV owners is reduced by considering EVs power and harmonic control.

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