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Title: MPC-Based Optimal Scheduling of Grid-Connected Low Energy Buildings with Thermal Energy Storages

Author: Yang Zhao Yuehong Lu Chengchu Yan Shengwei Wang



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A model predictive control method using NLP algorithm is proposed

It optimizes the scheduling of the energy systems in grid-connected low energy buildings.

Evaluations are conducted on the Hong Kong Zero Carbon Building.

It achieved significant reductions in CO₂ emission, energy consumptions and operation cost

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