

Notes on:
Optimal Power Flow in a highly renewable power
system based on attention neural networks

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1 Abstract

Integration of renewable energy sources, such as wind and solar, poses challenges due to their inherent variability. Frequent recalibrations of power settings are necessary due to changing weather conditions, which makes recurrent OPF resolutions necessary. State-of-the-art, physics-informed machine learning methodology trained on imitation learning and historical european datasets. This approach correlated electricity demand and weather patterns with power dispatch and generation.

2 Introduction