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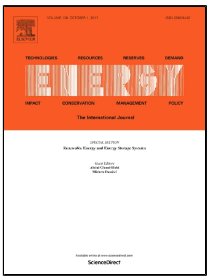

Analysis and validation of a quasi-dynamic model for a solar collector field with flat plate collectors and parabolic trough collectors in series for district heating

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Highlights

- A quasi-dynamic model for the hybrid solar collector field has been validated.
- The model is validated with annual measured data of a hybrid solar collector field.
- Dynamic and long-term thermal performances of the hybrid solar field were shown.
- The proposed model addresses dynamic conditions with low computational resources.

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