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Heating system energy flexibility of low-energy residential buildings

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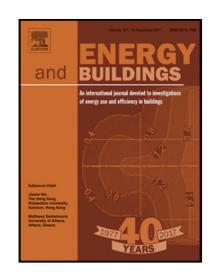
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#### ACCEPTED MANUSCRIPT

### Highlights

- Low-energy buildings are highly robust and remain autonomous for several hours.
- Heat losses govern flexibility potential while thermal mass has secondary impact.
- The potential for storage in the thermal mass is higher than for curtailment.
- High dependence of flexibility potential on boundary conditions.



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