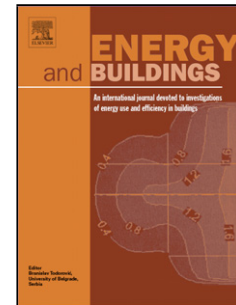


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Title: Energy performance evaluation of a net plus-energy residential building with grid-connected photovoltaic system in Brazil

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HIGHLIGHTS

- Load Matching and Grid Interaction parameters are analyzed in four Brazilian cities.
- Self-consumption depends of decoupled factors.
- The levels of exported electricity into the grid are high in Brazil.
- The building achieves grid parity from 6% to 18% discount rates.
- The payback time is shorter in locations with higher electricity tariffs.

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