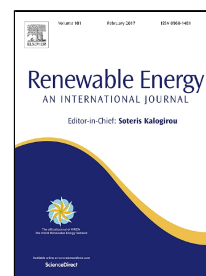


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Energy Storage System for Self-Consumption of Photovoltaic Energy in Residential Zero Energy Buildings

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- An energy storage system for residential buildings with PV generation is proposed.
- A control system was designed to maximize the self-consumption and minimize costs.
- The energy sent and consumed from the grid is reduced in 76% and 78%, respectively.
- The energy bill is reduced in 87.2%.
- Due to the expected cost reductions, the system can be cost-effective before 2020.

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