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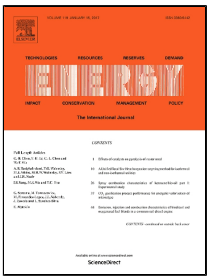

Size optimization and demand response of a stand-alone Integrated Renewable Energy System

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- Demand response based on energy consumption scheduling of appliances is modelled.
- 24 combinations of system components has been considered during size optimization.
- Size optimization has been performed using discrete harmony search (DHS) algorithm.
- Finally, optimization results without and with demand response have been compared.

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