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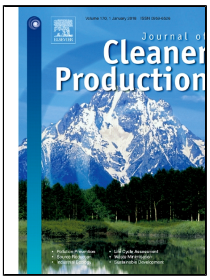

Experimental and numerical comparative investigation on a concentrating photovoltaic system

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- Two types of concentrating photovoltaic modules are experimentally studied and compared.
- Both mathematical thermal model and electrical model have been built.
- The electrical efficiency and thermal efficiency are 26.5% and 49.3%.
- The temperature coefficient of cell efficiency is -0.054%/^{o}C, and the drop in system electrical efficiency with temperature is -0.042%/^{o}C.