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Exploiting the waste heat from an alkaline fuel cell via electrochemical cycles

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Highlights:

- The hybrid system consists of an alkaline fuel cell and n electrochemical cycles.
- Electrochemical cycles can recycle waste heat to generate continuous power output.
- Performances of the system compared with the fuel cell are greatly improved.
- Key parameters are optimized and their lower and upper boundaries are determined.
- Advantages of the proposed system over other hybrid systems are expounded.

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