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A novel scaling factor based fuzzy logic controller for frequency control of an isolated hybrid power system

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Research Highlights

- Modeling of an IHDG with CES to provide electricity to the end user is carried out.
- For controlling the system, hybridized fuzzy classical controllers are designed.
- The tunable model parameters are tuned by a QOHS algorithm.
- FLC's membership functions and rule bases are taken as standard once.
- Controllers are tested for system uncertainties, stochastic load variation and robustness.

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