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Performance Analysis of Power Distribution Systems with Weakly Grid Connected Rural Homes in Indian

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Highlights

- Research consider different power distribution system such as AC distribution system, Hybrid distribution system, DC distribution system for residential building.
- DC distribution system reduced the energy demand, power losses during conversion.
- DC DC distribution system reduced the conversion stages.
- In case of DC distribution system, the size of the photovoltaic plant and battery bank reduced significantly. It also decreased the capital cost of the system.

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