

In this paper two different clamping circuits are connected for the proposed full-bridge-forward dc-dc converter, the operation of stages one of the proposed converter including clamping circuit (full-bridge-forward converter including dissipative clamping) is explained in this paper, a comparison table of proposed converter and the DAB converter in terms of number of devices, current, voltage levels, in several ways is placed in this paper. The Matlab/Simulink results of the proposed converters, the comparison graph of proposed converter and DAB in terms of output voltage, the grid connected and island voltages of microgrid using a proposed converter is placed in this paper.

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