

# COMPARATIVE ANALYSIS OF DISCRETE BASED UPS TOPOLOGIES.

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## Abstract

This write-up is purely an in-depth analysis of a 300watt single phase (three numbers) of inverter circuits and their comparison with one another. To achieve this aim, some inverter circuits were studied and analyzed. From here we consider the simplicity of circuits, compactness, cheapness and performance. UPS generates noiseless and pollution free ac voltage from dc source. The cost effectiveness of these three variants will also be calculated. Problems such as voltage spikes, surges, over-and under-voltage problems are not experienced from the usual epileptic power supply.

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