Simulation and Analysis of 3 Phase Multi-Level Inverter

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Abstract

The aim of our present work is to obtain an output voltage using 3-phase multi-level inverter. An inverter is a device that converts the input DC voltage into output AC voltage. Here DC batteries are used as input supply and fed to the multi-level inverter. The multi-level inverter is achieved using cascaded H-bridge inverters. These H-bridge inverters use mosfets as switches whose gating pulses are controlled by a microcontroller. This inverter also uses mosfets driver IC to convert TTL level signals into high current output signals.

References

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Index Terms

Computer Science
Circuits and Systems

Keywords

MOSFETS, ICL7667, Arduino Uno