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

2. Power Electronics circuit,devices and application by Muhammad h.rashid, Professor of
Electrical engg. Purdue University
  3. Electronic devices and circuits theory by Robert L. Boylestad

**Index Terms**

<table>
<thead>
<tr>
<th>Computer Science</th>
<th>Circuits and Systems</th>
</tr>
</thead>
</table>

**Keywords**

MOSFETS, ICL7667, Arduino Uno