

Microcontroller Based Inverter

The technology is a microcontroller based sine wave inverter wherein the main power is directly sent to the output and the AC is converted to DC and this DC then constantly charges the battery. A sensor and relay mechanism checks whether the mains is ON or OFF. When the main switches OFF, the relay actuator triggers to switch from mains to inverter.

Advantages of Sine wave Inverter

- AC electricity is produced in a waveform similar to the one supplied to our home from the electricity supplier.
- No reduction in the life of the home appliances.
- Produces high quality electricity without harmonic distortion.
- It can run sensitive equipment like computers and DVD players.

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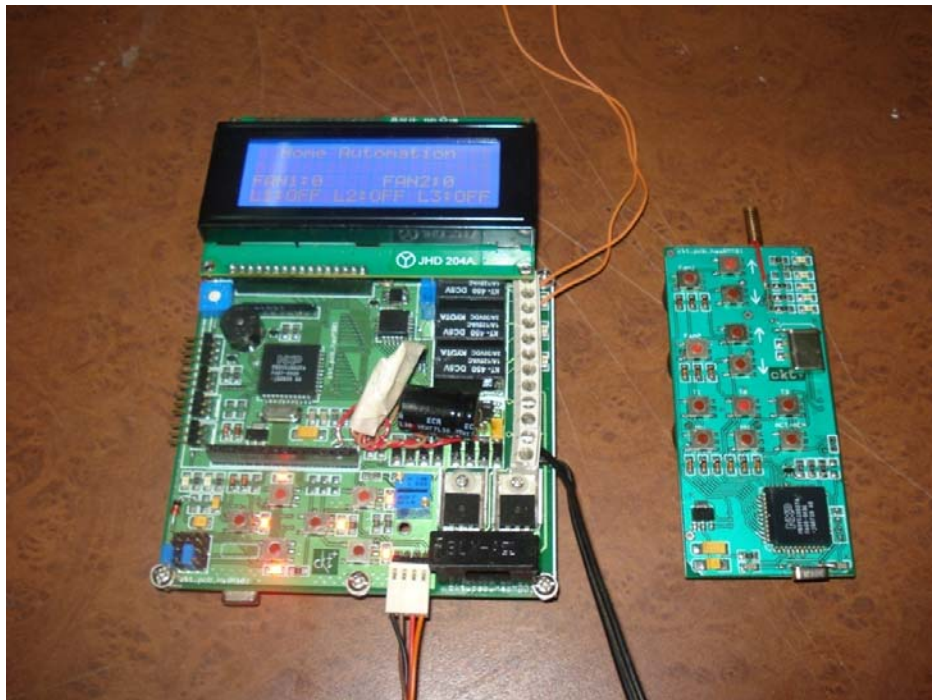


Fig-1: Microcontroller Based Inverter