

Power Electronic Training Board has been designed specifically for the study of SCR Parallel Inverter.

Practical experience on this board carries great educative value for Science and Engineering Students.

Object:

To study the SCR Parallel Inverter.

FEATURES

The board consists of the following built-in parts:

01. 12V DC at 100mA fixed regulated Power Supply.
 02. 12V DC at 3 Amp. Power Supply.
 03. 9-0-9 V AC at 3 Amp. transformer
 04. UJT to generate ramp.
 05. IC-1 to drive Tr. 4 and Tr. 5.
 06. Tr. 4 and Tr. 5 for generation of pulses.
 07. Pulse transformer 1:1:1.
 08. Tr. 1, 2 and 3 for relay operation.
 09. Two SCRs.
 10. Two push-to-ON switches for putting inverter ON/OFF.
 11. Relay 12V DC.
 12. 25 watt. Lamp with Socket.
 13. Adequate no. of other electronic components.
 14. Mains ON/OFF switch, Fuse and Jewel light.
- * The unit is operative on 230V \pm 10% at 50Hz A.C. Mains.
 - * Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
 - * Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

Other Apparatus Required:

- * Dual Trace Cathode Ray Oscilloscope 20MHz (Unearthed)/with isolation transformer for unearthing.

Note: Specifications are subject to change.

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