



46543 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

- 01 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.
- 15 The unit is operative on 230V $\pm 10\%$ at 50Hz A.C. Mains.
- 16 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.
- 17 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.
- 18 Weight : 7.500 Kg. (Approx.)
- 19 Dimension : W 415 x H 165 x D 315

Other Apparatus Required:

- 01 Dual trace CRO 20MHz with isolation transformer for unearthing.

Note: Specifications are subject to change.