



**OMEGA TYPE PET-447** Power Electronic Training Board has been designed specifically for the study of working of inverter. A Battery 12V 80AH (Any car battery) is required to operate this apparatus. Different test points have been provided to check waveshape and amplitude of pulses, how DC supply is changed to AC supply.

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

#### OBJECT

01 To study the multivibrator circuit to convert DC to AC.

#### FEATURES

The board consists of the following built-in parts:

- 01 IC-1 & IC-2 to generate AC signals to drive
- 02 12-0-12V AC at 4 Amp. Transformer.
- 03 Four NPN low Power Transistors.
- 04 Four NPN high Power Transistors

05 Red, Black and Green terminals for test points.

06 Lamp holder and Lamp 40W, 230V.

07 Unit is operative on 12 volt 80AH Battery (Any Car Battery).

08 Sufficient quantity of patch cords.

09 Good Quality, reliable terminal/sockets are provided at appropriate places on panel for connections/ observation of waveforms.

10 Strongly supported by detailed Operating Instructions, giving details of Object, Theory, Design procedures, Report Suggestions and Book References.

11 Weight : 6 Kg. (Approx.)

12 Dimension : W 415 x H 165 x D 315.

#### OTHER APPARATUS REQUIRED:

- 01 Battery 12V DC 80AH (Any Car Battery).
- 02 Digital Multimeter OMEGA TYPE DMM-201.
- 03 Dual trace CRO 20MHz OMEGA TYPE CRO-20

We are committed to the continuous development of our products, and therefore reserve the right to amend specifications without prior notice.

## OMEGA ELECTRONICS