

# VIJAYANTA

**VIJAI ELECTRONICS**  
28/147, CIVIL LINES  
ROORKEE - 247667



## **THREE PHASE S.C.R. BASED D.C. POWER SUPPLY,** (RECTIFIER TYPE) **Model : TPRU-100**

It employs D.C Converter 3phase fully controlled S.C.R Based Bridge converter with following features :

Fault diagnosis and safety features :

- I. Instantaneous over current trip.
- II. Over load trip.
- III. Under Voltage/ Single phase trip.
- IV. Current limit with voltage fold back.

- ✦ Regulation is better than  $\pm 1\%$ .
- ✦ Various test point to monitor wave forms and voltages on regulator card.
- ✦ Ripple : Less than 5% on full load.
- ✦ Control System consist of regulator card and power card. Regulator card is isolated from main power supply voltage and connector based for easy changeability.
- ✦ Voltage and current meters are provided on the front door of the panel.
- ✦ Annunciator is provided on the door for easy diagnoses of faults.
- ✦ D.C. Voltage setting is provided on the front door of the panel.
- ✦ Burden resistance is provided on D.C supply as S.C.R are voltage devices.
- ✦ Input: 3 Phase , 415 V  $\pm 10\%$  , 50 Hz
- ✦ Output voltage steplessly variable for 0 to 230V.
- ✦ D.C Voltage build up has a smooth start features.



### **Rating Available :**

30Amp / 60Amp / 100Amp / 200Amp

**There may be any change in specification due to continuous R & D without notice.**