

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 250V.
 - ✦ D.C Voltage build up has a smooth start features.



Rating Available :

30Amp / 60Amp / 100Amp / 200Amp

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

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