

Transformer Rectifier Set

Features:

- Full wave Bridge rectifier with filter circuit
- Off load input & output voltage selection.
- Low ripple content (< 5%)
- ON/ OFF switch at Input
- Output voltage and current meter
- High reliability
- Input / Output protected by HRC Fuse
- Approved by RDSO Lucknow - Indian Railways



RDSO Specification No.
IRS: S: 91/93

Specifications:

| | |
|----------------------------------|--|
| Nominal Input Voltage | Nominal Input Voltage of 230V [110V] |
| OFF Load Taps | 200, 210, 220 V \pm 1.5% [90, 95, 100] |
| Input Frequency | 50 Hz \pm 2% |
| Protection | HRC Fuses at Input and Output |
| Nominal Output Voltage | 12V, 24V, 60V, 110V DC or as specified by Customer |
| Output Voltage Settings | By means of suitable tapping on Transformer (15V, 28V, 65V, 130V respectively for nominal output voltages specified above) |
| Rated Output Current | Nominally, 5A, 10A, 20A, 30A, 40A, 50A, 60A, 80A |
| Output Ripple | < 5% RMS |
| Regulation of Transformer | <10% to <100VA, <5% for 100VA and above (At Max output and rated current) |
| Regulation of the Unit | <30% for 4 to 12V, <20% for 15V to 35V, <10% for 60 to 130V (At Max output and rated current) |
| No Load Current | < 10% of the Max Rated input current |
| Efficiency | > 55% on Rated load & maximum output tap >65% for above 500VA ,>55% for below 500VA |
| Operating Temperature | 0°C to 50°C; RH<95% (Non-condensing) |
| Temperature Rise | < 55°C above ambient |
| Insulation Voltage | 2 kV between Input/output, Input/Earth and Output/Earth for ONE minute |
| Insulation Resistance | > 10 M Ω between Input/output, Input/Earth and Output/Earth |
| Class of Insulation | "B" |

Note: User Specification requirements can be entertained

GENERAL AUTO ELECTRIC CORPORATION

D/207, Ansa Industrial Estate, Saki Vihar Road, Saki Naka, Andheri (East), Mumbai 400072, INDIA.

T: [+9122] 6692 3194-95 | F: [+9122] 6692 3196 | marketing@gaec.in | www.gaec.in