

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
- Digital Meter for Output Voltage and Current
- Approved by RDSO Lucknow, Indian Railways
- User Specification can be entertained



**RDSO Specification No-
IRS: S: 91/2014**

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, 15A, 20A, 30A, 40A, 50A, 60A, 80A
Output Ripple	< 5% RMS
Regulation of Transformer	<10% upto <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% for below 500VA & >65% for above 500VA (At Max output and rated current)
Operating Temperature	-10°C to 50°C; RH<90% (Non-condensing)
Temperature Rise	< 55°C above ambient
Atmospheric Condition	Upto 55° C Ambient Humidity upto 90% RH
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"

Ordering Code:

TR.AAABB.CC

TR	AAA	BB	CC
Item Prefix	Nominal Output	Current Rating	Nominal Input
	024 for 24V DC	05 for 5Amp	01 for 110V Input
	110 for 110V DC	40 for 40Amp	Blank for 230V Input

Example: TR.02420 for 230 / 24V DC - 20A and TR.02420.01 for 110V / 24V DC - 20A

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