TNB0750-XX

750W AC/DC SWITCHING POWER SUPPLY

OPEN FRAME



FEATURES

- Universal 85 ~ 305VAC Input Voltage.
- Operating Ambient Temperature Range: -40°C ~ +70°C.
- Built-in Active PFC Function.
- Output Short Circuit, Over-Current, Over-Voltage Protection, Over-Temperature Protection.
- 400W with Convection Cooling, 450W with Conduction Cooling, and 750W with Forced Air Cooling (25 CFM).
- High Efficiency up to 94.5%.
- PG Signal and Remote Sensing Function.
- High Power Density, Compact Size: 5" x 3" x 1.34" (Above PCB).
- Operating Altitude up to 5,000m.
- Safety According to IEC62368-1.

MODELS & RATINGS

Model No.	Output Voltage	Rated Power (W)			Output Current (A)			Output Voltage Adjustable Range (V)	Efficiency at 230VAC (%) Typ.	External Cap. Load (µF)
		Conv.	Cond.	Forced Air	Conv.	Cond.	Forced Air			
TNB0750-12	12V	350	400	700	29.2	33.4	58.3	10.8 - 13.2	94	5,600
TNB0750-24	24V	400	450	750	16.7	18.8	31.3	21.6 - 26.4	94	3,300
TNB0750-36	36V	400	450	750	11.12	12.5	20.9	32.4 - 39.6	94.5	2,200
TNB0750-48	48V	400	450	750	8.4	9.4	15.7	43.2 - 52.8	94	1,600
TNB0750-54	54V	400	450	750	7.5	8.4	13.9	48.6 - 56.7	94	1,200

Conv. = Convection Cooling; Cond. = Conduction Cooling; Forced Air = Forced Air Cooling (25 CFM).

KEY SPECIFICATIONS

Item	Specification
Input Voltage	85 ~ 305VAC
Input Frequency	47 ~ 63Hz
Input Current	8.0 Arms @ 115VAC 4.0 Arms @ 230VAC 3.5 Arms @ 277VAC
Inrush Current	40A peak @ 115VAC 80A peak @ 230VAC (Cold start at 25°C)
Power Factor	0.98 @ 115VAC, 0.95 @ 230VAC
Efficiency	Up to 94.5%
Hold-up Time	10mS @ 25°C, 115/230VAC, 80% Load
Earth Leakage Current	3.5mA @ 264VAC/63Hz
No Load Power	0.5W @ 230VAC/50Hz (Only 5Vsb no load)
MTBF	1,300,000 Hours
Safety	UL62368-1, EN62368-1, IEC62368-1, 3rd Edition
EMC	Conforms to EN55032 Class B

MECHANICAL SPECIFICATION

Item	Specifications
Dimensions (L x W x H)	127 x 76.2 x 41 mm (Open Frame)
Weight	TBD.

*Specifications are subject to change without notice.