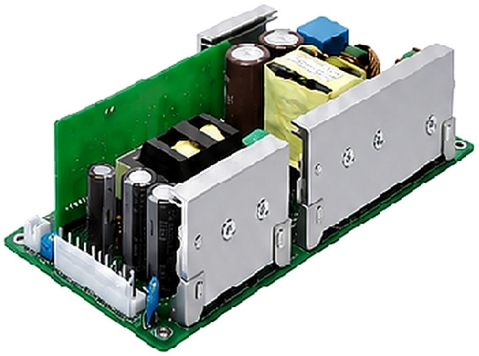
TN24-0500-XX

500W AC/DC SWITCHING POWER SUPPLY

OPEN FRAME



FEATURES

- Universal 85 ~ 265VAC or 120 ~ 370VDC Input Voltage.
- Built-in Active PFC Function.
- 240W Natural Convection Cooled, 500W Forced Air Cooling.
- High Efficiency up to 94%.
- Operating Ambient Temperature Range: -20°C ~ +70°C.
- High Power Density, Compact Size: 7.09" x 3.31" x 1.30" (Above PCB).
- Overvoltage Category: OVC II for 5,000m & OVC III for 2,000m.
- Operating Altitude up to 5,000m.
- Safety According to IEC62368, IEC61558, IEC60335.

MODELS & RATINGS

Model No.	Cooling Method	Output Power (W)	Output Voltage / Current	Peak Output Power (W)	Efficiency at 240VAC (%)	External Cap. Load (μF)
TN24-0500-12	Convection Cooling	240	12V/20.0A	480	92	10,000
	Forced Air Cooling	400	12V/33.3A	480	91	
TN24-0500-24	Convection Cooling	240/300W (option)	24V/10.0A	480	94	5,000
	Forced Air Cooling	500	24V/20.8A	600 (option)	93	
TN24-0500-36	Convection Cooling	240	36V/6.7A	480	94	4,000
	Forced Air Cooling	500	36V/13.9A	-	93	
TN24-0500-42	Convection Cooling	240	42V/5.7A	480	94	3,000
	Forced Air Cooling	500	42V/11.9A	-	93	
TN24-0500-48	Convection Cooling	240	48V/5.0A	480	94	2,500
	Forced Air Cooling	500	48V/10.4A	-	93	
TN24-0500-56	Convection Cooling	240	56V/4.3A	480	93	2,000
	Forced Air Cooling	500	56V/8.9A	-	93	

KEY SPECIFICATIONS

Item	Specification
Input Voltage	85 ~ 265VAC / 120 ~ 370VDC
Input Frequency	47 ~ 63Hz
Input Current	6 Arms @ 100VAC 3 Arms @ 200VAC (Max.)
Inrush Current	15A peak @ 100VAC 30A peak @ 200VAC (Cold start at 25°C)
Power Factor	0.98 @ 100VAC, Full Load 0.93 @ 200VAC, Full Load
Efficiency	Up to 94%
Hold-up Time	10mS @ 25°C, 100VAC & full load, 90% of output voltage
Earth Leakage Current	0.5mA @ 264VAC/63Hz
MTBF	900,000 Hours
Safety	IEC 62368-1, IEC 61558, IEC 60335
EMC	Conforms to EN55032 Class B

MECHANICAL SPECIFICATION

Item	Specifications
Dimensions (L x W x H)	180 x 84 x 33 mm
Weight	460g

*Specifications are subject to change without notice.