TN19-0250-XX

250W AC/DC SWITCHING POWER SUPPLY

OPEN FRAME



FEATURES

- Universal 90 ~ 264VAC 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.
- 140W with Convection Cooling, 250W with Forced Air Cooling.
- High Efficiency up to 94.5%.
- High Power Density, Compact Size: 2" x 4" x 1.063" (Above PCB).
- Safety According to IEC62368-1.

MODELS & RATINGS

Model No.	Cooling Method	Output Power (W)	Output Voltage (V)	Output Current (A)	Efficiency (%)
TN19-0250-12	Convection Cooling	140	12	11.67	92.5
	Forced Air Cooling	250	12	20.84	
TN19-0250-24	Convection Cooling	140	24	5.83	93.5
	Forced Air Cooling	250	24	10.42	
TN19-0250-48	Convection Cooling	140	48	2.92	94.5
	Forced Air Cooling	250	48	5.21	
TN19-0250-55	Convection Cooling	140	55	2.55	94.5
	Forced Air Cooling	250	55	4.55	

KEY SPECIFICATIONS

Item	Specification
Input Voltage	90 ~ 264VAC
Input Frequency	47 ~ 63Hz
Input Current	3.0 Arms @ 115VAC 1.5 Arms @ 230VAC (Max.)
Inrush Current	45A peak @ 115VAC 90A peak @ 230VAC (Cold start at 25°C)
Power Factor	0.98 @ 115VAC, Full Load
Efficiency	Up to 94.5%
Hold-up Time	10mS @ 75% Load
Earth Leakage Current	3.5mA @ 264VAC
MTBF	300,000 Hours
Safety	IEC 62368-1
EMC	Conforms to EN55032 Class B

MECHANICAL SPECIFICATION

Item	Specifications
Dimension (L x W x H)	101.6 x 50.8 x 21.4 mm
Weight	192g

*Specifications are subject to change without notice.