



300W TFX POWER SUPPLY 10609-00



300 Watt TFX12V v2.1 Switch Mode Power Supply
Active PFC and RoHs Compliant

Features

Active Power Factor Correction (PFC)
High efficiency and reliability
Pentium 4 ready with connectors
Forward converter circuit
Low Noise and Ripple
Output over voltage, short circuit, and over power protection
Reset after shutdown
Super low noise fan control
Internal Fan (12VDC/28.8cfm/<32.4db)
100% Hi-pot test
100% burn-in, high temperature cycled on/off

Input Range: 90 ~ 264Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: 5A (RMS)

Inrush Current: 100A Max cold start

EMC: Complies to EN61204-3:2000 & FCC part 15 & Part 2 (CISPR 22 class B)

Safety: Conforms to UL60950-1 2nd Ed., 2007-03-27; CSA C22.2 No. 60950-1-07 2nd Ed., EN60950-1:2001, 2007-03; GB4943-2001: TUV, CUL (Level 6), CB

Specifications

Temperature Range:

Operating: 0°C ~ +40°C

Storage & shipping: -40°C ~ +85°C

Humidity:

Operating: 20 ~ 80%

Storage: 10% ~ 95%

Efficiency: 80% at normal input voltage (AC 115V 60Hz or AC 230V 50Hz) when 20%, 50%, 100% loading

Rise time: Less than 20ms

Hold-up Time: 12ms minimum at nominal input voltage

Power Good Signal: Power on delay time max 150ms, off delay 1ms minimum (TTL compatible)

Power Factor Correction: 99% typical

MTBF: 100,000 hours on maximum load at +25°C (excluding DC fan)

Dimensions (LxWxH):

175mm (6.89") x 85mm (3.5") x 70mm (2.756")

Output Characteristics

Output Voltage	Min. Load	Max. Load	Peak	Load Reg.	Line Reg.	Ripple & Noise
+3.3V	0.3A	20A		± 5%	± 1%	50mV P-P
+5V	0.5A	20A		± 5%	± 1%	50mV P-P
+12V1	1A	18A	18A	± 5%	± 1%	120mV P-P
+12V2	1A	18A	19A	± 5%	± 1%	120mV P-P
-12V	0.0A	0.8A		± 10%	± 5%	120mV P-P
+5Vsb	0.0A	2.0A	2.5A	± 5%	± 1%	50mV P-P

Notes

- Max DC output should not exceed 300W
- Max Peak DC output should not exceed 330W
- Max Load: +5V and +3.3V < 110W/28A
- Max Load: +12V +12V < 252W/21A

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