

# Switch Mode Power Supply -TFX12V- SS-250/300TFX Active PFC



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## Features:

- Specification compliance: TFX12V v2.31
- Pentium 4 ready with P4 connectors
- Forward converter circuit
- High efficiency and reliability
- Low ripple & noise
- Super low noise fan control
- Short circuit protection on all outputs
- Over voltage protection
- Over power protection
- 100% hi-pot test
- 100% burn in, high temperature cycled on/off
- Patented Active Transient Load (R.O.C. Patent # I309103)

## DC Outputs:

Model	DC Outputs					Total power	Input type
	+3.3V	+5V	+12V Combined	-12V	+5Vsb		
SS-300TFX Active PFC	20A	20A	21A	0.8A	2A	300W	Full range
	110W <sup>1</sup>		252W	9.6W	10W		Fixed 220V
SS-250TFX Active PFC	13A	16A	20A	0.8A	2A	250W	Full range
	80W		240W	9.6W	10W		Fixed 220V

RemaRemarks: 1. Combined +3.3VDC & +5VDC maximum power

## Electrical Specifications:

- Input frequency: 47~63 Hz
- Inrush current, cold start: 100A max.
- Efficiency, at normal input voltage: > 82%
- Dielectric withstand, input to frame/ ground: 1800VAC, 1sec.
- Dielectric withstand, input to output: 1800VAC, 1sec.
- Line regulation: +/-1% typical
- Load regulation: +/-5% typical
- Cross regulation: +/-5% typical
- Ripple / noise: 1%
- MTBF, full load@25°C amb. : >100K hours  
(Excluding the DC fan)
- Power Factor Correction: Active PFC 99% typical

**Safety:** CUL, TUV, CB

**EMC:** CE, FCC, C-tick

**Dimension:** L175 x W85 x H70mm  
(6.9" x 3.3" x 2.8")

## Connectors:

- Main Power (24/20P) x 1
- ATX12V (4P) x 1
- Peripherals: SATA, HDD, FDD

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Specification may change without prior notice

