

ATX 2.03 series with ATX12V v.1.1

- Active PFC -

SS-xxxFS series



Dimensions: L150 x W140 x H86 mm (5.9" x 5.5" x 3.4")
(shown: active PFC full range or fixed ac input)

Features:

- Specification compliance: ATX 2.03 & ATX12V v1.1
- Forward converter circuit
- High efficiency and reliability
- Low ripple & noise
- Super low noise fan control
- Acoustics noise 25.8dBA typical at 70w, 30cm
- Short circuit protection on all outputs
- Over voltage protection
- Over power protection
- 100% hi-pot test
- 100% burn in, high temperature cycled on/off
- PFC harmonics compliance: EN61000-3-2 + A1 + A2
- EMI/RFI compliance: CE, CISPR22, C-tick & FCC part 15 class B
- Safety compliance: VDE, TUV, D, N, S, Fi, UL, C-UL & CB

Electrical Specification:

- Input frequency: 50/60Hz
- In-rush current, cold start: 80A max.
- Hold up time, full load: 16ms. typical
- Efficiency; 220-240VAC, full load: >70%
- Efficiency; 100-120VAC and full range: >65%
- 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 hrs, will vary w/ fan type
- Active PFC, 220VAC, full load: 0.99 typical
- Passive PFC, 220VAC, full load: 0.75 typical

DC Output & Features:

Model	DC outputs						Total power	Input voltage		Pantium 4 connectors	Auxiliary 6P connectors	AMD ⁴ recommended
	+3.3V	+5V	+12V	-5V	-12V	+5Vsb		full range	220v fixed			
SS-250FS	20A	25A	13A/16A ²	0.5A	0.8A	2A	250w	Yes	Yes	Yes	Yes	AMD
	150w (33A) ¹			0.8A ³								
SS-300FS	28A	30A	15A/18A ²	0.5A	0.8A	2A	300w	Yes	Yes	Yes	Yes	AMD
	180w (40A) ¹			0.8A ³								
SS-350FS	28A	30A	17A/20A ²	0.5A	0.8A	2A	350w	Yes	Yes	Yes	Yes	AMD
	180w ¹			0.8A ³								
SS-400FS	28A	30A	18A/21A ²	0.5A	0.8A	2A	400w	Yes	Yes	Yes	Yes	AMD
	180w ¹			0.8A ³								

Remarks: 1. Combined +3.3VDC & +5VDC maximum power
2. Peak power
3. Combined -5VDC & -12VDC maximum power
4. Always refer to: www1.amd.com/athlon/power for latest update

specification may change without prior notice



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