

# Switch Mode Power Supply

## ATX12V v.1.3 - Active PFC -



Fixed 220V input  
standard stamp fan wire

Dimension: L150 x W140 x H86mm  
(5.9" x 5.5" x 3.4")



350W~460W Full range  
model with fan guard

### Features

- Specification compliance: ATX12V v1.3 & AMD Athlon 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

### DC Output & Features

Model	DC output					Total power	Input voltage	
	+3.3V	+5V	+12V	-12V	+5Vsb		Full range	Fixed 220V
SS-250SGX Active PFC	20A	25A	17A	0.8A	2A	250W	Yes	Yes
	150W(33A) <sup>1</sup>							
SS-300SGX Active PFC	28A	30A	18A	0.8A	2A	300W	Yes	Yes
	200W(46A) <sup>1</sup>							
SS-350SGX Active PFC	28A	30A	19A	0.8A	2A	350W	Yes	Yes
	200W(46A) <sup>1</sup>							
SS-400SGX Active PFC	28A	30A	22A	0.8A	2A	400W	Yes	---
	200W(46A) <sup>1</sup>							
SS-460SGX Active PFC	28A	30A	25A	0.8A	2A	460W	Yes	---
	200W(46A) <sup>1</sup>							

Remarks: 1. Combined +3.3VDC & +5V DC maximum power

specification may change without prior notice

### Electrical Specification

Input frequency:	50/60Hz
In-rush current, cold start:	80A max.
Hold up time, full load:	16ms. typical
Efficiency:	at normal input voltage >70%
	at AC 115v 60Hz 74% typical
	at AC 230v 50Hz 77% typical
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. Excluding the DC fan:	>100k hrs
Power Factor Correction: Active PFC	99% typical

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### Safety compliance



### EMI/RFI compliance



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