

Switch Mode Power Supply

ATX12V v.2.2~ 8cm fan Active PFC



www.seasonic.com



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



Features

- Specification compliance: ATX12V v2.2 & EPS12V v2.9
- Support the latest Intel & AMD Socket
- PCI Express & Serial ATA ready
- Double 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

AC input voltage & DC output

Model	DC output						Input voltage		
	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb	Total power	Full range	Fixed 220V
SS-500ES Active PFC	24A	24A	17A	17A	0.8A	2.5A	500W	Yes	Yes
	130W Max. ¹		408W ²		9.6W	12.5W			
SS-400ES Active PFC	20A	20A	17A	17A	0.8A	2.5A	400W	Yes	Yes
	130W Max. ¹		360W ²		9.6W	12.5W			
SS-350ES Active PFC	20A	20A	17A	17A	0.8A	2.5A	350W	Yes	Yes
	130W Max. ¹		324W ²		9.6W	12.5W			
SS-300ES Active PFC	18A	20A	17A	17A	0.8A	2.5A	300W	Yes	Yes
	120W Max. ¹		288W ²		9.6W	12.5W			

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

specification may change without prior notice

Electrical Specification

Input frequency:	47/63Hz	
In-rush current, cold start:	100A max.	
Hold up time, full load:	10ms. typical	
Efficiency:	at normal input voltage	≥ 80%
	at AC 110v 60Hz	75% typical
	at AC 220v 50Hz	78% typical
Optional 80PLUS	at normal input voltage	≥ 80%
Line regulation:	'+/- 1% typical	
Load regulation:	'+/- 5% typical	
Cross regulation:	'+/- 5% typical	
Ripple / noise:	1%	
Standby mode	<5W	
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

CUL, TUV, CB, CCC

EMI/RFI compliance

CE, FCC, C-tick

