

# Switch Mode Power Supply

ATX12V v.2.2 & EPS12V v2.9~ 12cm fan Active PFC



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-600HT Active PFC	30A	30A	18A	18A	0.8A	2A	600W	Yes	---
	180W Max. <sup>†</sup>		348W		9.6W	10W			
SS-500HT Active PFC	30A	30A	17A	16A	0.8A	2A	500W	Yes	---
	180W Max. <sup>†</sup>		396W		9.6W	10W			

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:	16ms. typical	
Efficiency:	at normal input voltage	>70%
	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	

www.seasonic.com

## Sea Sonic Electronics Co., Ltd.

### Head Office:

8F, #19, Alley 360, Sec. 1, Neihu Road,  
Neihu, Taipei, Taiwan, R.O.C.

Tel: +886 2 2659 0338

Fax: +886 2 2659 0530

sales@seasonic.com.tw

www.seasonic.com

### Factories:

I. Tao Yuan, Taiwan.

II. Dong Guan, China.

### USA office:

Tel: +1 626 969 9966

Fax: +1 626 969 9986

usa@seasonic.com

## Safety compliance

CUL, TUV, CB, CCC, D, N, S, FI, GOST-R, BSMI

## EMI/RFI compliance

CE, FCC, C-tick

