

# Switch Mode Power Supply

SFX12V v3.1 - Active PFC -



www.seasonic.com

Dimension: L100 x W125 x H76.5mm  
(3.9" x 4.9" x 3.0")

SS-300SFD Active PFC



www.80PLUS.org

## Features

- Specification compliance: SFX12V v3.1 & 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 type
	+3.3V	+5V	+12V1	+12V1	-12V	+5Vsb		
SS-300SFD Active PFC	20A	20A	8A	14.5A	0.8A	2A	300W	Full range Fixed 220V
	125W/28A <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

## 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



## EMI/RFI compliance

