

# Switch Mode Power Supply

SFX12V v2.3 - Active PFC -

**Seasonic**  
Since 1975

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

SS-XXXXSFD Active PFC



## Features

- Specification compliance: SFX12V v2.3 & 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 type
	+3.3V	+5V	+12V	-12V	+5Vsb		
SS-250SFD Active PFC	18A	21A	16A	0.8A	2A	250W	Full range Fixed 220V
	110W						
SS-200SFD Active PFC	17A	21A	15A	0.8A	2A	200W	Full range Fixed 220V
	110W						

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.

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## Safety compliance



## EMI/RFI compliance

