

# Switch Mode Power Supply -Flex ATX v1.0- SS-200/250SU Active PFC



www.seasonic.com



## Features:

- Specification compliance: Flex ATX v1.0
- Forward converter circuit
- High efficiency and reliability
- Zero minimum load on 3.3V rail
- 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
- PFC harmonics compliance: EN61000-3-2 +A1 +A2

## DC Outputs:

Model	DC Outputs					Total power	Input type	Fan Type
	+3.3V	+5V	+12V Combined	-12V	+5Vsb			
SS-250SU APFC F0 (80PLUS Bronze)	14A	17A	18A	0.8A	2A	250W	Full range	4020mm
	110W <sup>1</sup>		216W					
SS-200SU APFC F0 (80PLUS)	14A	17A	14A	0.8A	2A	200W	Full range	4020mm
	110W <sup>1</sup>		168W					

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

## Electrical Specifications:

- Input frequency: 50/60 Hz
- Inrush current, cold start: 80A max.
- Efficiency, at normal input voltage: > 80% (250SU Only)
- Dielectric withstand, input to frame/ground: 1800VAC, 1sec
- Dielectric withstand, input to : 1800VAC, 1sec
- Line regulation: +/-1% typical
- Load regulation: +/-5% typical
- Cross regulation: +/-5% typical
- Ripple / noise: 1%
- MTBF, full load@25°C amb. : >100K hours  
(Excluding the DC fan)
- Power Factor Correction: Active PFC 99% typical

**Safety:** CUL, TUV, CB, CCC, BSMI, GOST-R

**EMC:** CE, FCC

Specification may change without prior notice

## Dimension:

L150 x W81.5 x H40.6mm  
(5.9" x 3.2" x 1.6")

## Connectors:

- Main Power (24/20P) x 1
- ATX12V (4P) x 1
- Peripherals: SATA, HDD, FDD

Sea Sonic Electronics Co., Ltd.  
www.seasonic.com  
sales@seasonic.com.tw  
Tel: +886 2 2659 0338  
Fax: +886 2 2659 0530

Seasonic Electronics Inc.  
www.seasonicusa.com  
usa@seasonic.com  
Tel: +1 626 969 9966  
Fax: +1 626 969 9986

Sea Sonic Europe B.V.  
europe@seasonic.com  
Tel: +31 (0)10-2262131  
Fax: +31 (0)10-2519947

