

**Switch Mode Power Supply -ATX12V v2.3-  
SS-300/350/400/450/500/600ES Active PFC**



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**Features:**

- Specification compliance: ATX12V v2.3
- 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

**DC outputs:**

Model	DC Outputs					Total power	Input type
	+3.3V	+5V	+12V Combined	-12V	+5Vsb		
SS-600ES Active PFC	24A	24A	46A	0.8A	2.5A	600W	Full range
	130W <sup>1</sup>		552W	9.6W	12.5W		Fixed 220V
SS-500ES Active PFC	24A	24A	34A	0.8A	2.5A	500W	Full range
	130W <sup>1</sup>		408W	9.6W	12.5W		Fixed 220V
SS-400ES Active PFC	20A	20A	30A	0.8A	2.5A	400W	Full range
	130W <sup>1</sup>		360W	9.6W	12.5W		Fixed 220V
SS-350ES Active PFC	20A	20A	27A	0.8A	2.5A	350W	Full range
	130W <sup>1</sup>		324W	9.6W	12.5W		Fixed 220V
SS-300ES Active PFC	18A	20A	24A	0.8A	2.5A	300W	Full range
	120W <sup>1</sup>		288W	9.6W	12.5W		Fixed 220V

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

**Electrical Specifications:**

- Input frequency: 50/60 Hz
- Inrush current, cold start: 100A max.
- Efficiency: at normal input voltage ≥ 82%
- 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: 99% typical

**Safety:** CUL, TUV, CB, CCC, BSMI

**EMC:** CE, FCC, C-tick

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

**Connectors:** Main Power (24/20P) x 1  
ATX12V (8P/4P) x 1  
ATX12V (8P/4P) x 2 (600W)  
Peripherals: SATA, HDD, FDD

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Specification may change without prior notice

