



SFX 12V 3.21 Version PN Series-180/250/300



Features

- 5 outputs (-12V, +5V, +3.3V, +12V, 5VSB)
- Low acoustic noise
- High reliability
- Remote On / Off
- Built-in EMI filter
- Thermal fan speed control (Optional) (SFX 2.3/3.1)
- Active PFC function (Optional) (SFX 2.3/3.1)

Environment

Operation Temp.	10°C ~ 50°C
Storage Temp.	-20°C ~ +60°C
Storage altitude	sea level to 50000ft
Operating & Storage humidity	10%~95%RH
Operating altitude	sea level to 10000ft

Specification

Efficiency	> 65% (max. load)
Hold Time	> 17ms (max. load)
Rise Time	< 20ms (max. load)
Short Protection	All outputs
Overvoltage Protection	+5V, +12V, +3.3V

Input

Voltage Range	90 ~ 135 / 180 ~ 264VAC (slide switch)
Frequency Range	47 ~ 63 Hz

Mechanical

Dimension : 125(W) x 77(H) x 100(D) mm

Cables



20+4 Pin



P4 Connector (CPU)



4 Pin Connector (IDE)



SATA Connector



4 Pin Connector (Floppy)



+5V DV Jack

180W-250W	x1	x1	x2	x2	x1	Optional
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Model	180(SFx3.21)	250(SFx3.21)	300(SFx3.21)	
AC	115V 60Hz	4A	5A	6.3A
Input	230V 50Hz	2A	2.5A	3.3A
	+5V	8A	9A	15A
	+3.3V	7A	8A	13A
	+12V	9A	12A	14A
DC Output	+12V1	-	-	-
	+12V2	-	-	-
	-12V	0.3A	0.3A	0.4A
	+5Vsb	2A	2A	2A
+3.3V & 5V MAX	80W	90W	100W	
Max Power	180W	250W	300W	

• Regulation tolerance shall include temperature change, warm up drift and dynamic load.

• Ripple and noise are measured differentially at the supply using load that are each shunted by at least a 0.1uf ceramic disc capacitor and a 10uf electrolytic capacitor bandwidth up to 20 MHz.