

# Power Supply

## ATX 12V 2.31 Version PX Series-180/200/230/250/300



### Features

- 5 outputs (+/-12V, +5V, +3.3V, 5VSB)
- Low acoustic noise
- High reliability
- Remote On / Off
- Built-in EMI filter (Optional)
- Thermal fan speed control (300W STD)

### 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
Oversvoltage Protection	+5V, +12V, +3.3V

### Input

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

### Mechanical

Dimension : 150(W) x 86(H) x 118(D) mm

### Cables



20+4 Pin



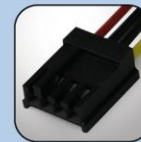
P4 Connector (CPU)



4 Pin Connector (IDE)



SATA Connector



4 Pin Connector (Floppy)



PCI-E 6+2Pin

<b>180W~250W</b>	x1	x1	x2	x2	-	-
<b>300W</b>	x1	x1	x2	x4	-	x1 (Optional)

Model		180	200	230	250	300
AC Input	115V 60Hz	4A	5A	6A	7A	7A
	230V 50Hz	2A	3A	3A	4A	4A
DC Output	+5V	14A	14A	15A	15A	15A
	+3.3V	13A	13A	14A	16A	21A
	+12V	10A	13A	15A	16A	-
	+12V1	-	-	-	-	11A
	+12V2	-	-	-	-	14A
	-12V	0.3A	0.3A	0.3A	0.3A	0.3A
	+5Vsb	2A	2A	2A	2A	2.5A
<b>+3.3 &amp; 5V MAX</b>		80W	80W	85W	90W	103W
<b>Max Power</b>		180W	200W	230W	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.