

# Power Supply

## ATX 12V 2.2 & EPS 12V PG Series-580/650



### Features

- 8 outputs (-12V, +5V, +3.3V, +12V1, +12V2, +12V3, +12V4, 5VSB)
- Low acoustic noise
- Meet ATX 12V & EPS 12V version
- Remote On / Off
- Built-in EMI filter
- Thermal fan speed control
- Active PFC function, Mute version 12cm FAN

### 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	> 80% (max. 85% @ 115 VAC)
Hold Time	> 17ms (max. load)
Rise Time	< 20ms (max. load)
Short Protection	All outputs
Oversvoltage Protection	+5V, +12V, +3.3V







### Input

Voltage Range	90 ~ 264 VAC
Frequency Range	47 ~ 63 Hz

### Mechanical

Dimension : 150(W) x 86(H) x 140(D) mm

### Cables

					
20+4 Pin	P4+P4(CPU)	4 Pin Connector (IDE)	SATA Connector	4 Pin Connector (Floppy)	PCI-E 6+2Pin
500W-650W	x1	x1	x6	x6	x2

Model	580	650	
AC Input	115V 60Hz 230V 50Hz	10A 5A	10A 5A
DC Output	+5V	28A	28A
	+3.3V	30A	30A
	+12V1	15A	18A
	+12V2	15A	18A
	+12V3	15A	18A
	-12V	0.8A	0.8A
	+5Vsb	3A	3A
+3.3V & 5V MAX	160W	170W	
Max Power	580W	650W	

- 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.