

# 80 PLUS Verification and Testing Report

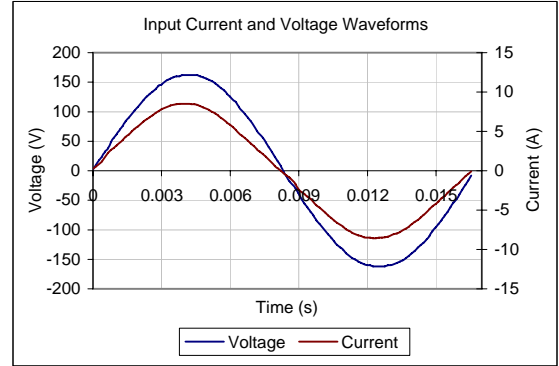


**TYPICAL EFFICIENCY (50% Load):** 82.96%  
**AVERAGE EFFICIENCY :** 81.07%  
**80 PLUS COMPLIANT:** YES

<b>Ecos ID #</b>	391
<b>Manufacturer</b>	CORSAIR
<b>Model Number</b>	CMPSU-550VX
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX12V
<b>Test Date</b>	10/4/2007

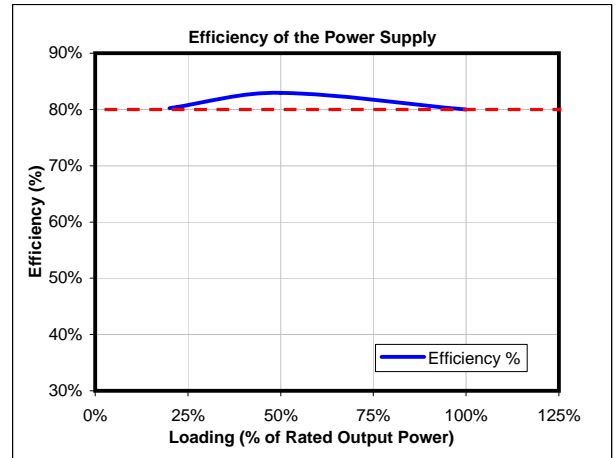
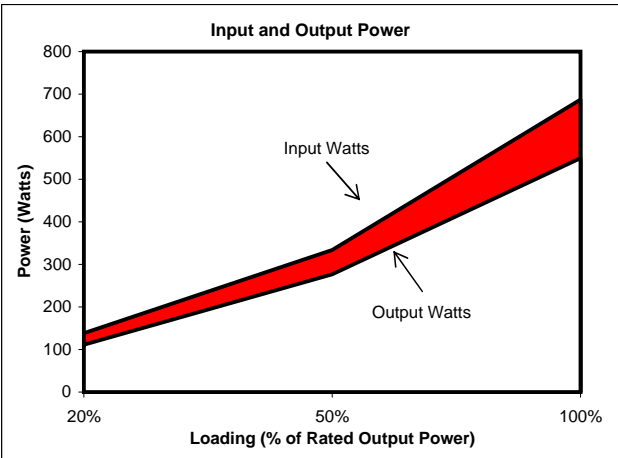
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>550</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 5.1%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %	
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*			5VSB
1.23	0.98	6.1%	20%	Light	138	12.1/6.8	12.2/0.2	3.4/2.9	5.1/2.7	5.1/0.6	111	80.24%
2.92	1.00	5.1%	50%	Typical	334	12/17.1	12.3/0.4	3.3/7.3	5.1/6.8	5.1/1.5	277	82.96%
5.98	1.00	4.2%	100%	Full	687	12/34.2	12.4/0.8	3.3/14.6	5/13.6	5/3	550	80.01%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.

Tested by Electric Power Research Institute, Knoxville, TN.

