

80 PLUS Verification and Testing Report

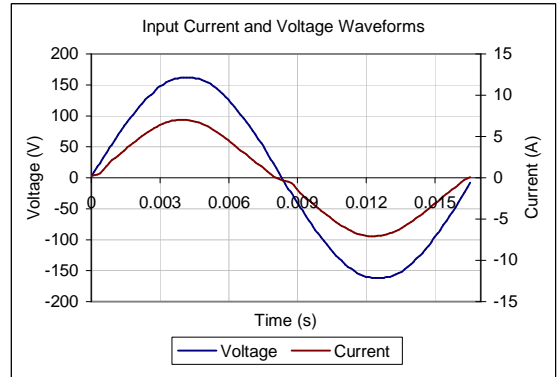


TYPICAL EFFICIENCY (50% Load):	83.77%
AVERAGE EFFICIENCY :	82.20%
80 PLUS COMPLIANT:	YES

Ecos ID #	344
Manufacturer	CORSAIR
Model Number	CMPSU-450VX
Serial Number	R0707A70580788
Year	2007
Type	ATX
Test Date	8/20/2007

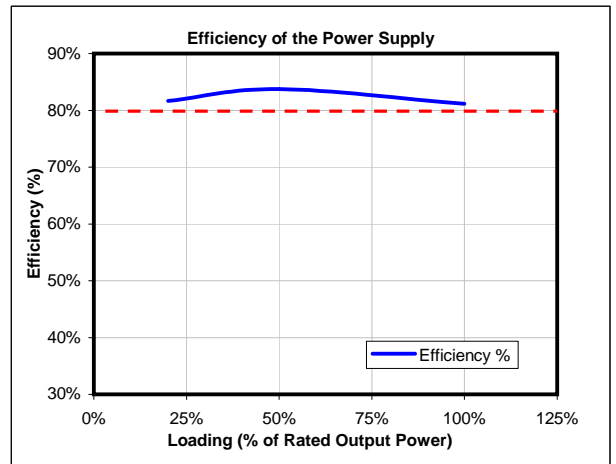
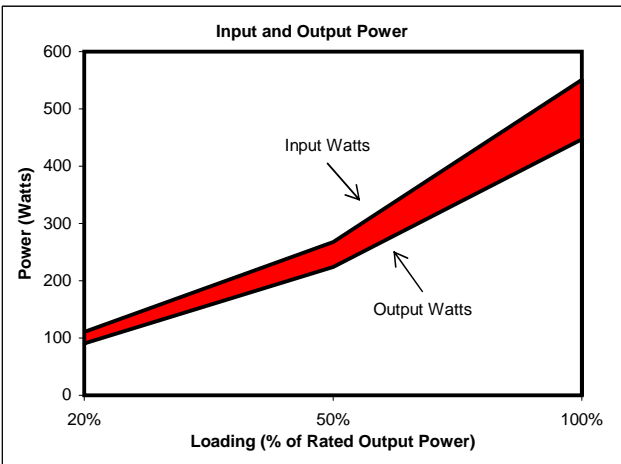
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (ITHD = 12.02%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.97	0.99	16.1%	20%	Light	111	12.1/5.4	11.5/0.1	3.3/2.6	4.9/2.6	5/0.4	90	81.66%
2.35	0.99	12.0%	50%	Typical	268	12.1/13.6	11.4/0.3	3.2/6.4	4.8/6.4	4.9/1	224	83.77%
4.81	1.00	8.4%	100%	Full	551	12/27.2	11.5/0.7	3.2/12.8	4.9/12.8	4.9/2.1	447	81.18%



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.