

80 PLUS Verification and Testing Report

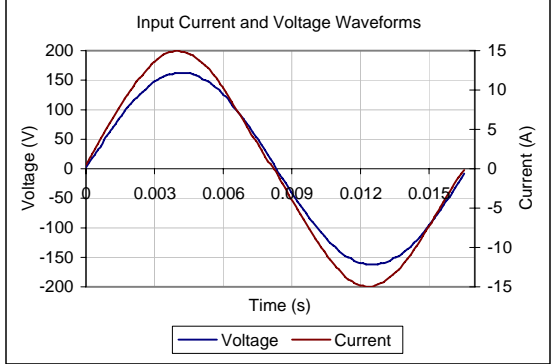
TYPICAL EFFICIENCY (50% Load):	83.99%
AVERAGE EFFICIENCY :	81.95%
80 PLUS COMPLIANT:	YES



Ecos ID #	598
Manufacturer	CORSAIR
Model Number	CMPSU-1000HX
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	3/11/2008

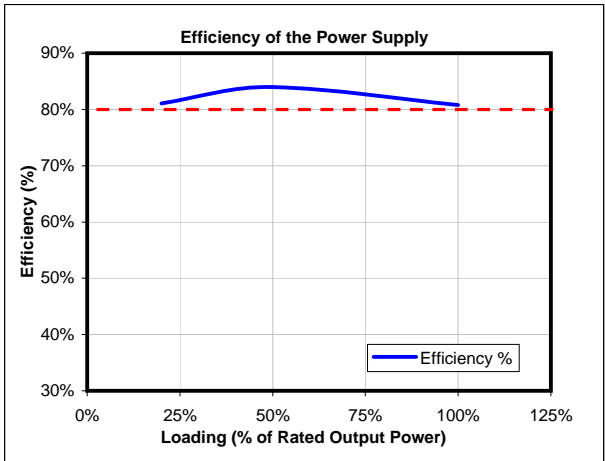
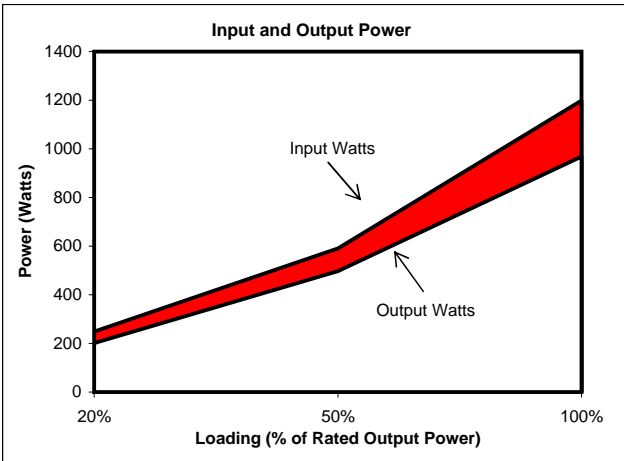
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	13	Amps
Input Frequency	50/60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 5.38%, 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
2.19	0.98	7.2%	20%	Light	248	12.1/13	12/0.2	3.3/4.8	5/4.8	4.9/0.7	201	81.06%
5.16	1.00	5.4%	50%	Typical	591	11.9/32.4	12.1/0.4	3.2/12	4.9/12	4.6/1.7	497	83.99%
10.44	1.00	4.0%	100%	Full	1199	11.7/64.7	12.2/0.8	3/23.8	4.7/24	4.5/3.4	968	80.80%



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.