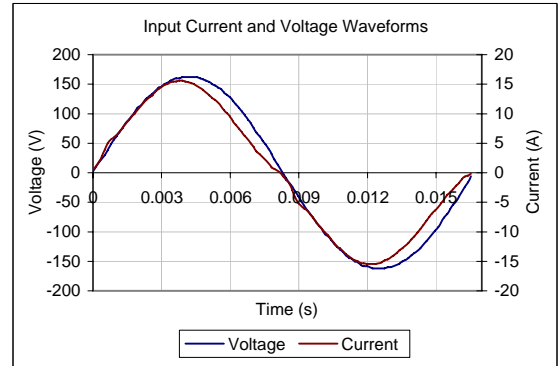


# 80 PLUS Verification and Testing Report



<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.48%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.41%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	815
<b>Manufacturer</b>	HIGH POWER
<b>Model Number</b>	HP-1000-G14C
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	7/9/2008

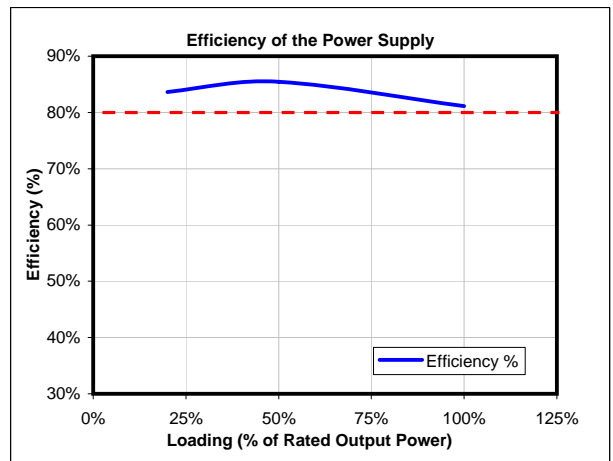
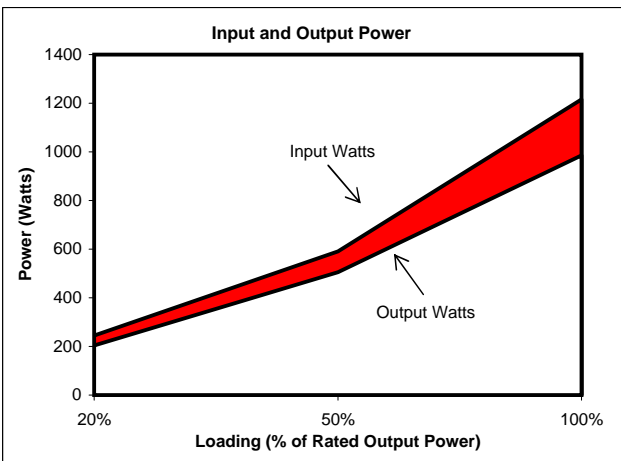


Input AC Current Waveform (ITHD = 9.6%, 50% Load)

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

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

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
2.27	0.94	19.3%	20%	Light	244	12.2/13.6	12/0.1	3.4/3.8	5.1/4	5.1/0.5	204	83.61%
5.24	0.98	9.6%	50%	Typical	591	12.1/34	12.1/0.4	3.3/9.4	5/10	5/1.4	505	85.48%
10.64	0.99	5.8%	100%	Full	1215	11.9/67.9	12.3/0.7	3.1/18.6	4.9/20.1	4.9/2.7	986	81.14%



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.