

80 PLUS Verification and Testing Report

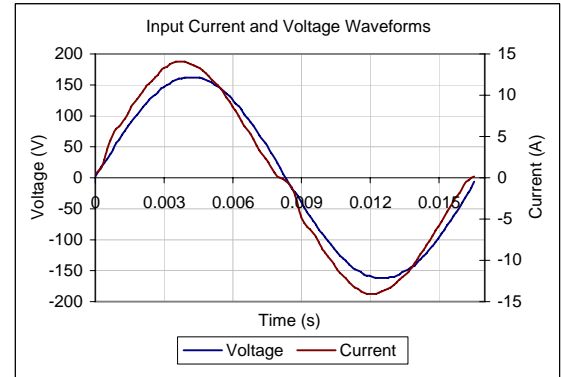


TYPICAL EFFICIENCY (50% Load):	86.45%
AVERAGE EFFICIENCY :	84.83%
80 PLUS COMPLIANT:	YES

Ecos ID #	222
Manufacturer	High Power
Model Number	HPC-1000-G14C
Serial Number	N/A
Year	2007
Type	ATX12V
Test Date	5/7/2007

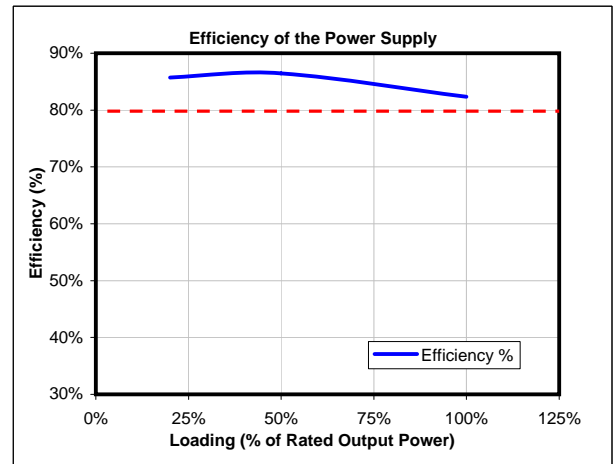
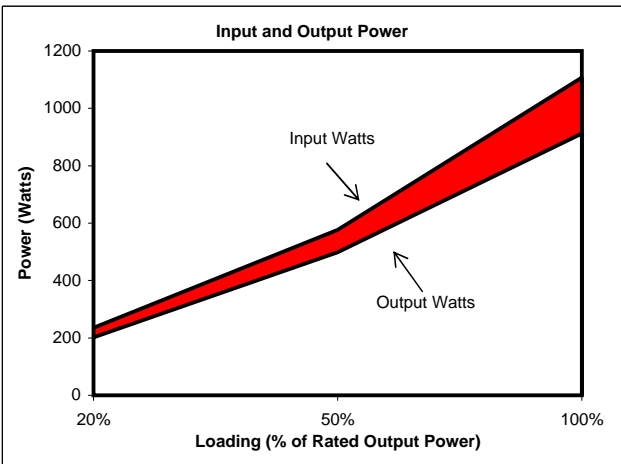
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6A	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 9.54%, 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		
2.14	0.96	21.5%	20%	Light	235	12.1/13.6	11.8/0.1	3.4/3.6	5.1/3.6	5.1/1.1	201	85.71%
5.12	0.98	9.5%	50%	Typical	577	12/34	11.8/0.3	3.3/9.1	5/9.1	5/2.6	498	86.45%
9.71	0.99	6.3%	100%	Full	1108	11.8/62	11.8/0.7	3.2/18.1	4.9/18.1	4.8/5.3	912	82.34%



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.