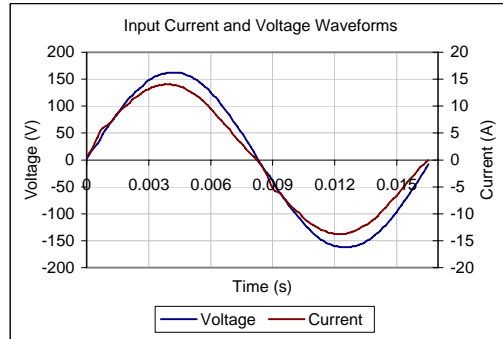


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	90.93%
AVERAGE EFFICIENCY :	89.46%
80 PLUS COMPLIANT:	YES

Ecos ID #	1273
Manufacturer	HIGH POWER
Model Number	HP-1000-G14S(C)-GOLD
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/23/2009

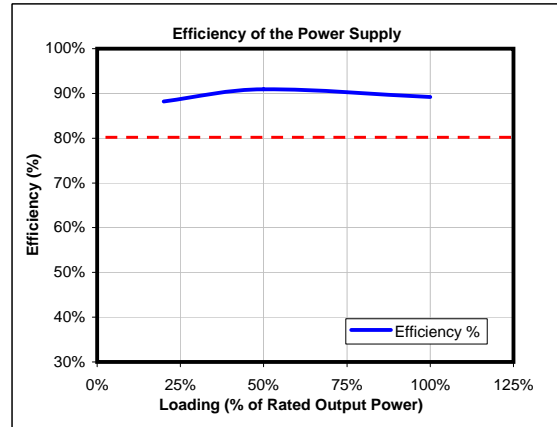
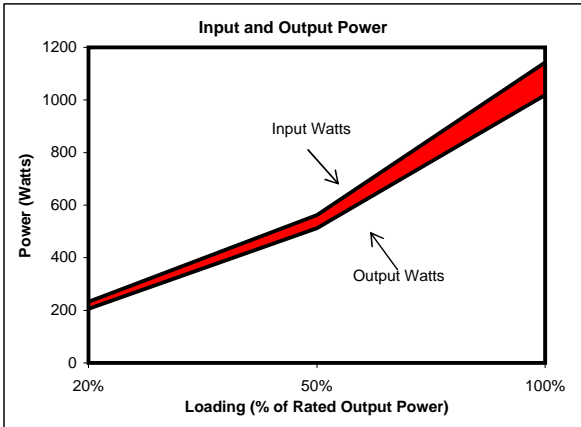


Input AC Current Waveform (ITHD = 5.8%, 50% Load)

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.

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		
2.15	0.94	86.1%	20%	Light	233	12.3/14.3	12/0.1	3.3/3.1	5.2/3	5/0.5	205	88.23%
4.95	0.99	5.8%	50%	Typical	563	12.2/35.7	12/0.2	3.3/7.7	5.2/7.7	5/1.3	512	90.93%
9.97	1.00	3.0%	100%	Full	1142	12.2/71.3	12/0.4	3.3/15.3	5.2/15.4	5/2.6	1019	89.20%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

