

80 PLUS Verification and Testing Report

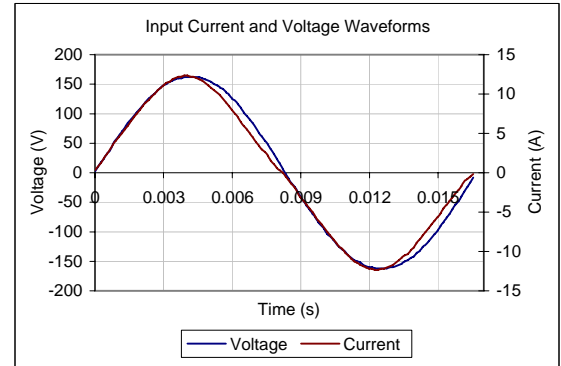


TYPICAL EFFICIENCY (50% Load):	85.53%
AVERAGE EFFICIENCY :	83.52%
80 PLUS COMPLIANT:	YES

Ecos ID #	643
Manufacturer	HIGH POWER
Model Number	HP-800-G14C
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	5/8/2008

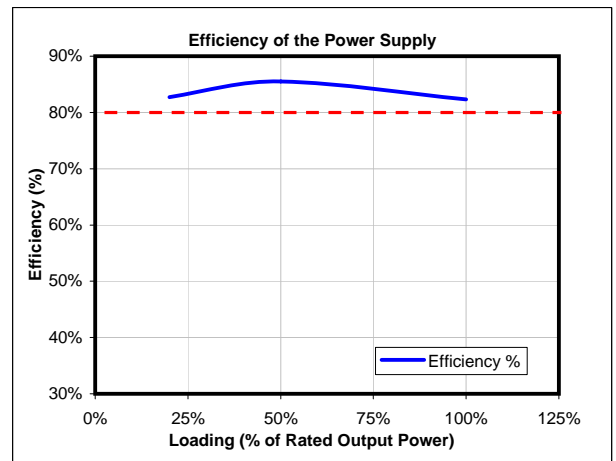
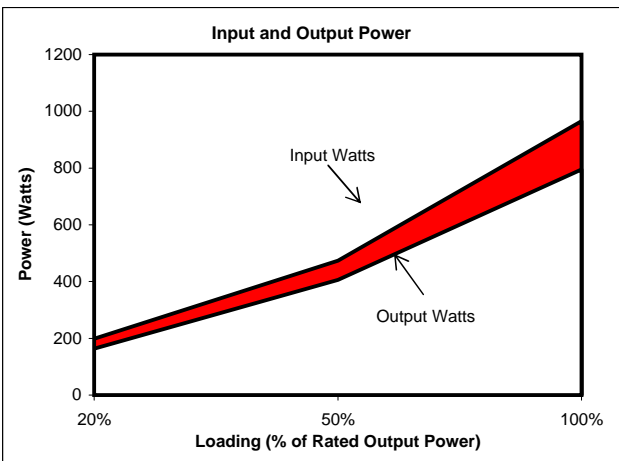
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11	Amps
Input Frequency	50-60	Hz
Rated Output Power	800	Watts

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



Input AC Current Waveform (ITHD = 7.75%, 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
1.76	0.98	10.7%	20%	Light	198	12.3/10.4	12/0.1	3.4/3.7	5.1/3.9	5.1/0.5	164	82.72%
4.15	0.99	7.8%	50%	Typical	474	12.2/25.9	12/0.3	3.3/9.2	5/9.8	5/1.3	406	85.53%
8.42	1.00	6.0%	100%	Full	966	12/51.7	12.1/0.7	3.2/18.2	4.9/19.6	4.9/2.7	795	82.32%



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/>

