

80 PLUS Verification and Testing Report

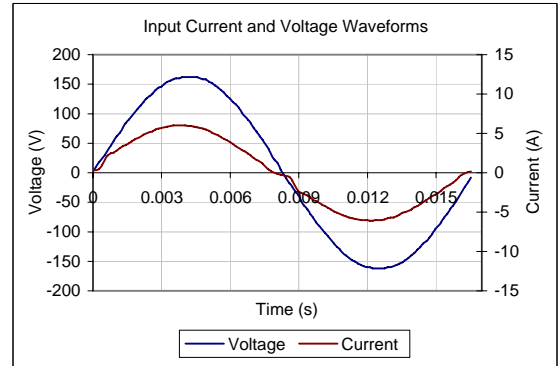


TYPICAL EFFICIENCY (50% Load):	84.60%
AVERAGE EFFICIENCY :	82.62%
80 PLUS COMPLIANT:	YES

Ecos ID #	639
Manufacturer	HIGH POWER
Model Number	HP-400-G14S(C)
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	4/30/2008

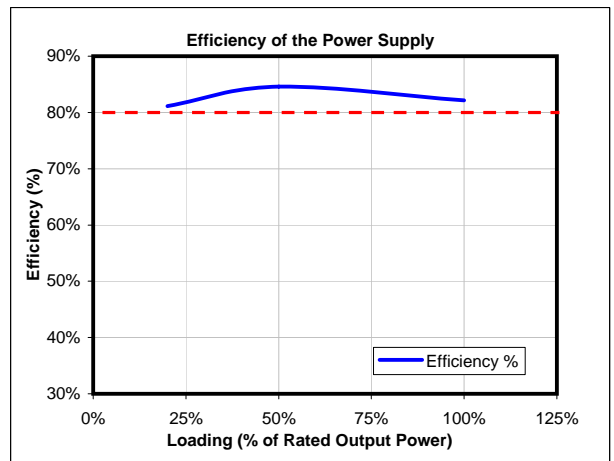
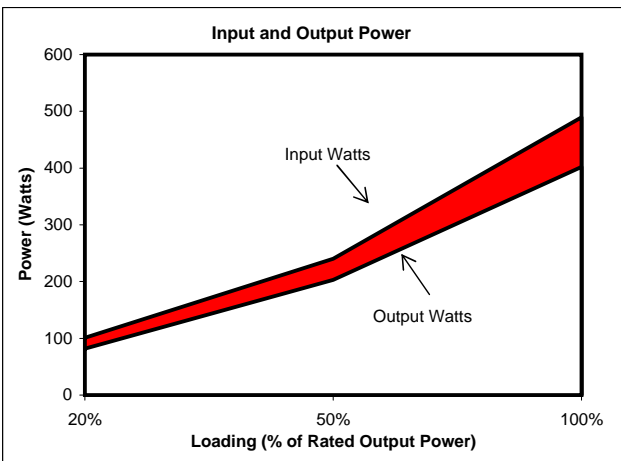
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (ITHD = 9.84%, 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
0.89	0.98	14.6%	20%	Light	101	0/4.6	12/0	3.4/2.7	5/2.7	5.1/0.4	82	81.12%
2.13	0.98	9.8%	50%	Typical	240	0/11.5	12.1/0.1	3.3/6.9	5/6.8	5.1/0.9	203	84.60%
4.28	0.99	3.9%	100%	Full	489	0/22.9	12.3/0.2	3.2/13.7	4.8/13.7	4.9/1.9	402	82.14%



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/>

