

80 PLUS Verification and Testing Report

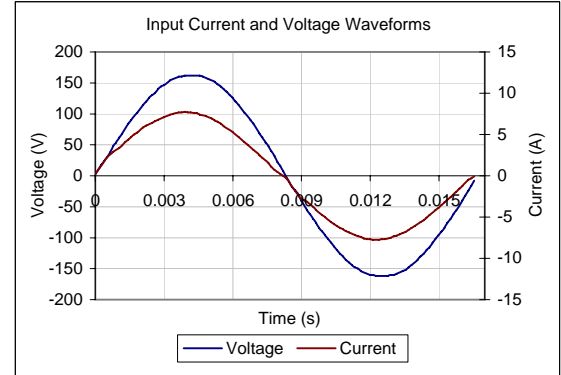


TYPICAL EFFICIENCY (50% Load):	84.10%
AVERAGE EFFICIENCY :	81.94%
80 PLUS COMPLIANT:	YES

Ecos ID #	225
Manufacturer	High Power
Model Number	HP-500-G12CS
Serial Number	071499150032G01000037
Year	2007
Type	ATX
Test Date	5/8/2007

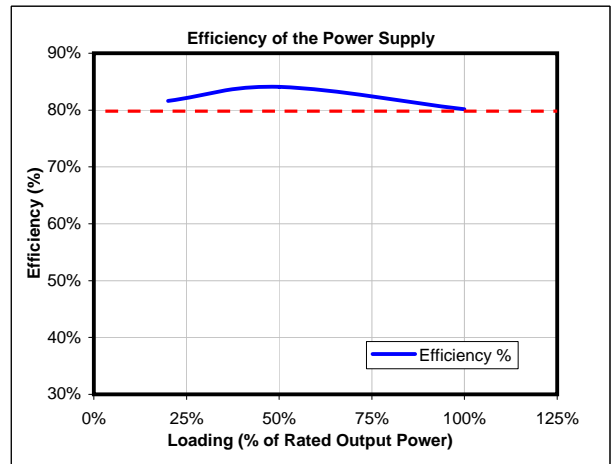
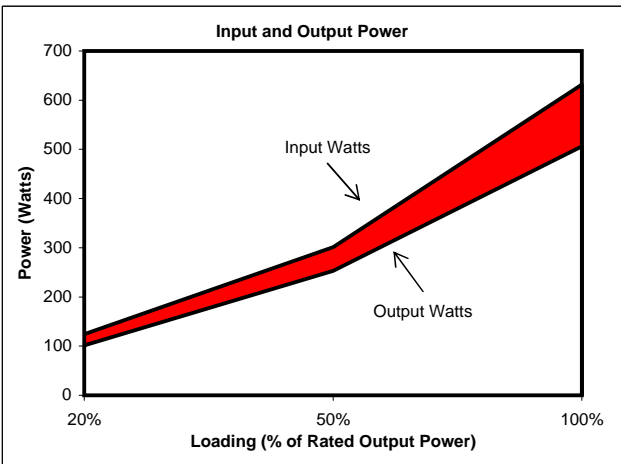
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6-8A	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 4.65%, 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		
1.12	0.96	14.5%	20%	Light	124	12.2/6	12/0	3.4/3	5/3	5/0.4	101	81.59%
2.65	0.99	4.7%	50%	Typical	301	12.2/15	12.2/0.1	3.3/7.5	5/7.5	4.9/1	253	84.10%
5.51	1.00	2.3%	100%	Full	632	12.2/30.4	12.4/0.2	3.3/15.1	4.8/15.1	4.8/2.1	506	80.14%



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.