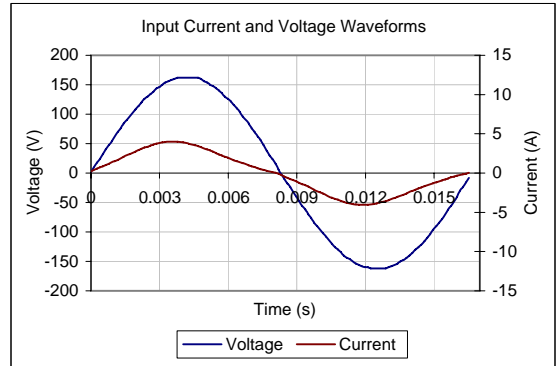


80 PLUS Verification and Testing Report



TYPICAL EFFICIENCY (50% Load):	83.97%
AVERAGE EFFICIENCY :	82.30%
80 PLUS COMPLIANT:	YES

Ecos ID #	763.1
Manufacturer	HP
Model Number	PC6019-021G
Serial Number	NA
Year	2008
Type	CUSTOM
Test Date	8/7/2008

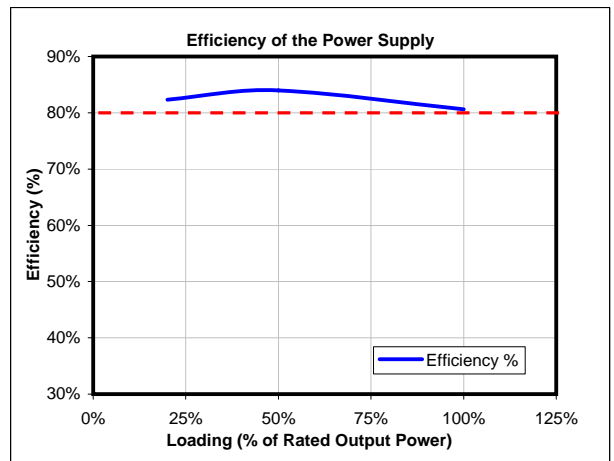
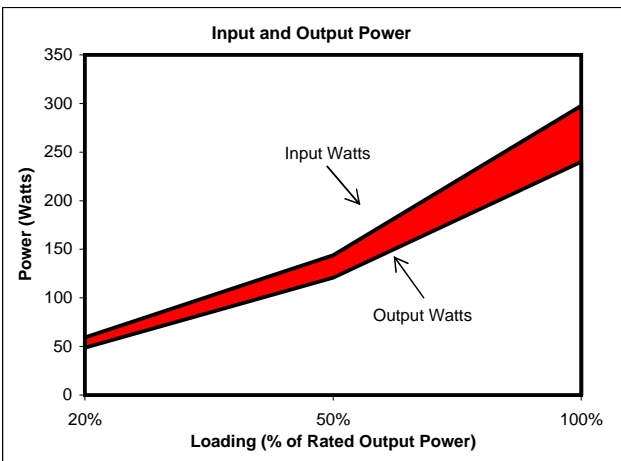


Input AC Current Waveform (ITHD = 18.05%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	240	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
0.54	0.95	14.9%	20%	Light	59	12.1/2.4	12/0	3.4/1.9	5.1/2.1	5.2/0.4	49	82.31%
1.32	0.95	18.1%	50%	Typical	144	12/6	12.2/0	3.3/4.7	5.1/5.4	5.1/0.9	121	83.97%
2.63	0.98	11.7%	100%	Full	298	12/12.1	12.5/0.1	3.3/9.5	5/10.7	5/1.9	240	80.61%



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.