

80 PLUS Verification and Testing Report

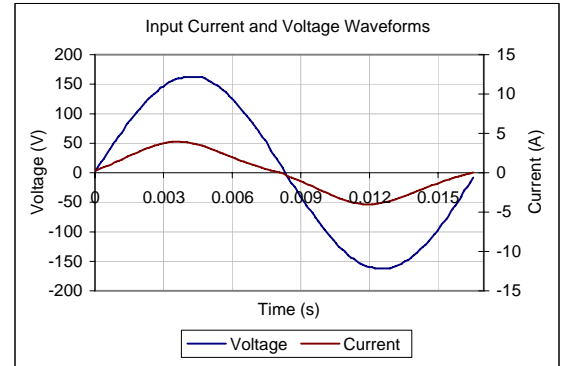


TYPICAL EFFICIENCY (50% Load):	83.45%
AVERAGE EFFICIENCY :	81.49%
80 PLUS COMPLIANT:	YES

Ecos ID #	466
Manufacturer	HP
Model Number	PC6019
Serial Number	NA
Year	2007
Type	CUSTOM
Test Date	1/2/2008

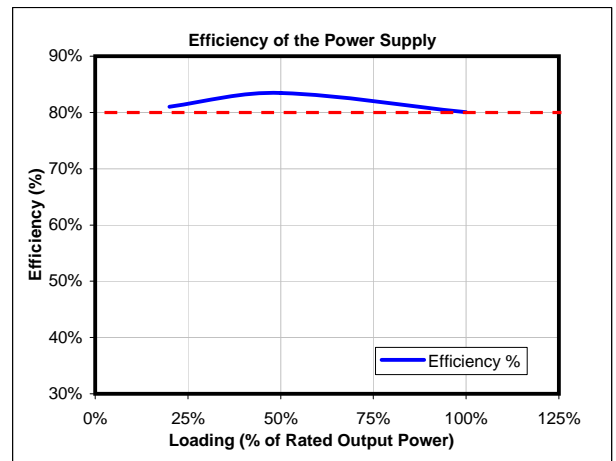
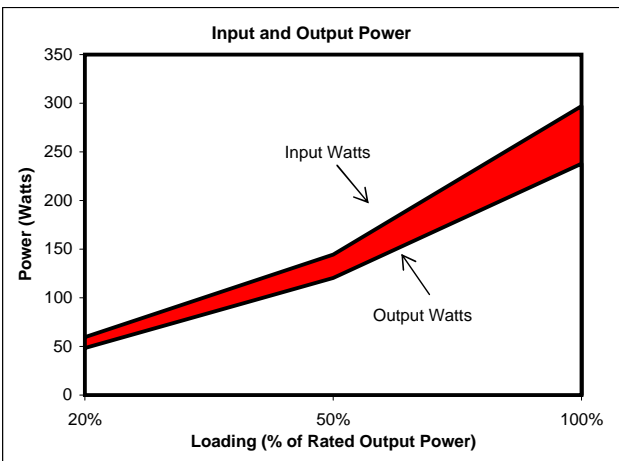
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	240	Watts

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



Input AC Current Waveform (ITHD = 17.66%, 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		
0.55	0.95	16.3%	20%	Light	60	12.1/2.4	12/0	3.3/1.9	5/2.1	5.1/0.4	48	80.99%
1.31	0.95	17.7%	50%	Typical	144	12.1/6	12.2/0	3.2/4.7	5/5.4	5.1/0.9	120	83.45%
2.62	0.98	11.1%	100%	Full	297	12.1/12.1	12.6/0.1	3/9.5	4.9/10.7	4.9/1.9	238	80.04%



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.