

# 80 PLUS Verification and Testing Report

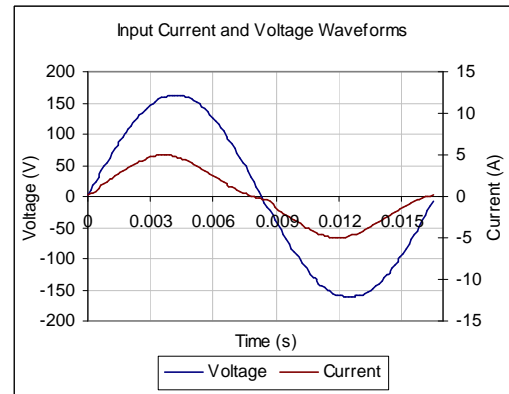
TYPICAL EFFICIENCY (50% Load):	82.91%
AVERAGE EFFICIENCY :	81.21%
80 PLUS COMPLIANT:	YES



Ecos ID #	129
Manufacturer	HP
Model Number	PS-6301-02
Serial Number	N/A
Year	2006
Type	Custom
Test Date	11/3/2006

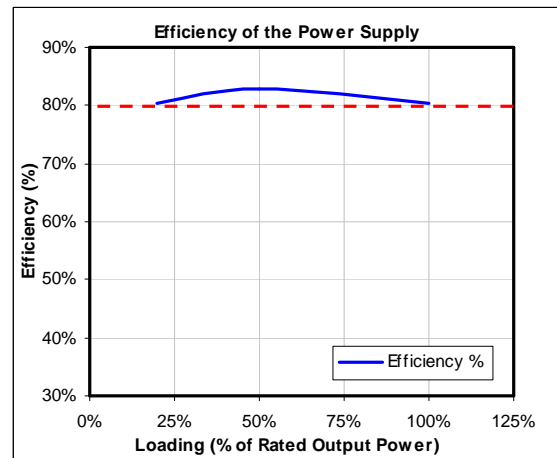
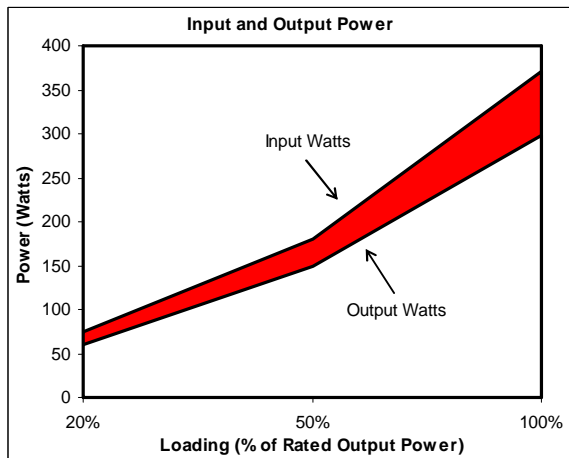
Rated Specifications	Value	Units
Input Voltage	100-120 200-240	Volts
Input Current	5/2.5	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 17.57%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)						Output Watts	Efficiency %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.68	0.96	11.2%	20%	Light	75	12.1/1.5	12.1/1.6	11.7/0	3.3/2.2	5.1/2.6	5.1/0.3	60	80.45%
1.64	0.95	17.6%	50%	Typical	180	12/3.8	12.1/4	11.8/0.1	3.3/5.5	5/6.6	5/0.7	150	82.91%
3.30	0.98	12.3%	100%	Full	372	12/7.6	12.1/8	12/0.1	3.2/11.1	5/13.2	5/1.4	298	80.27%



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/>

