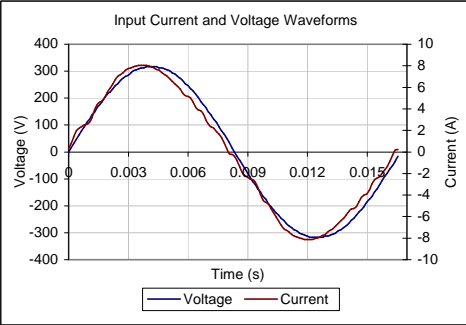


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.34%
AVERAGE EFFICIENCY :	93.36%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-95
Manufacturer	HEWLETT PACKARD COMPANY
Model Number	570451-101
Serial Number	CIPD0935001133
Year	SO-95
Type	1U
Test Date	10/28/2009



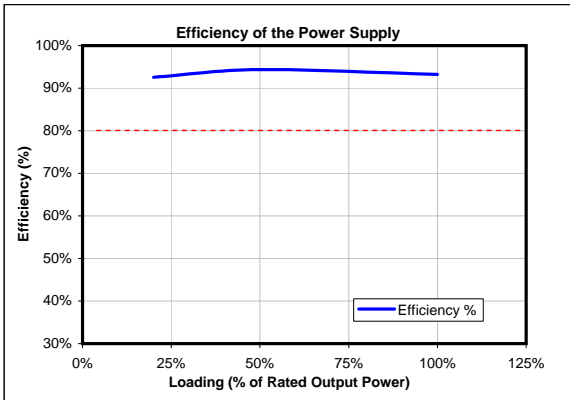
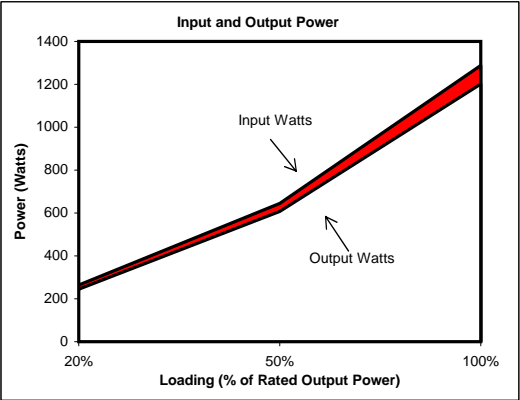
Rated Specifications	Value	Units
Input Voltage	100/110-120/200-249	Volts
Input Current	9.3/9.5/6.6	Amps
Input Frequency	47-63	Hz
Rated Output Power	1,200	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 6.58%, 100% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)**	DC Terminal Voltage (V) / DC Load Current (A)			Output Watts	Efficiency %
							12V	12Vsb			
0.66	0.91	23.25	*10%	Low	139	0.24	12.28/9.78		11.98/0.24	123	88.74%
1.19	0.96	14.66	20%	Light	265	0.36	12.25/19.53		11.96/0.49	245	92.53%
2.84	0.99	9.07	50%	Typical	644	0.48	12.16/48.8		11.92/1.23	608	94.34%
5.63	1.00	6.58	100%	Full	1288	6.66	12.01/97.56		11.86/2.45	1201	93.21%

* 10% load results are for informative purposes only and not included in certification requirements.
 ** Fan power is not included in the efficiency calculations



These tests were conducted as a part 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 computing technology applications.



Tested by Electric Power Research Institute, Knoxville, TN.

