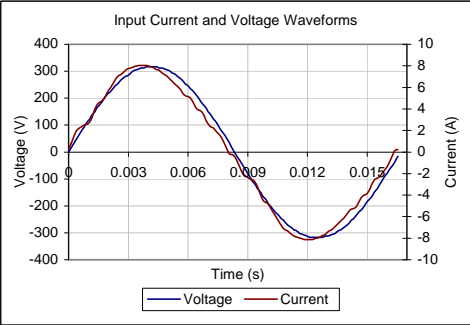


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>94.34%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>93.36%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



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



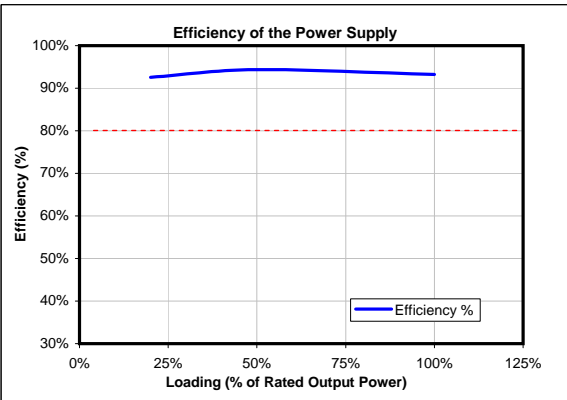
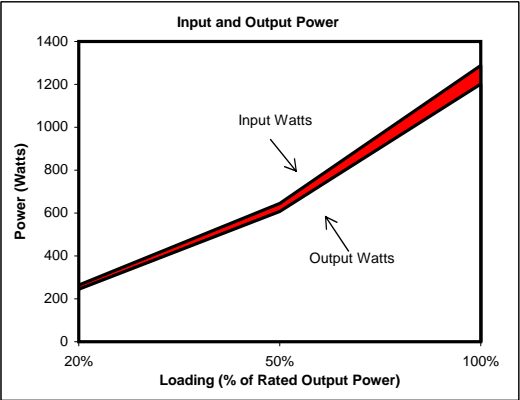
Rated Specifications	Value	Units
Input Voltage	<b>100/110-120/200-249</b>	Volts
Input Current	<b>9.3/9.5/6.6</b>	Amps
Input Frequency	<b>47-63</b>	Hz
<b>Rated Output Power</b>	<b>1,200</b>	<b>Watts</b>

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 <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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 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/>

