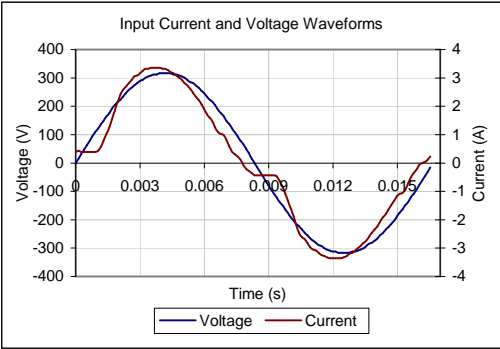


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.20%
AVERAGE EFFICIENCY :	92.24%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-52
Manufacturer	HEWLETT-PACKARD COMPANY
Model Number	499250-101
Serial Number	CCSD0903001855
Year	2009
Type	1U
Test Date	3/21/2009



Rated Specifications	Value	Units
Input Voltage	100/240	Volts
Input Current	6/3	Amps
Input Frequency	50/60	Hz
Rated Output Power	460	Watts

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

Input AC Current Waveform (ITHD = 18.2%, 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	0V		
0.45	0.53	55.40	*10%	Low	55	0.38	12.3/3.61	12.01/0.23	0/0	47	85.32%
0.59	0.76	39.34	20%	Light	104	0.00	12.28/7.21	12/0.47	0/0	94	90.70%
1.19	0.91	28.66	50%	Typical	251	0.38	12.2/18	11.97/1.17	0/0	234	93.20%
2.23	0.97	18.20	100%	Full	497	1.26	12.03/36	11.93/2.36	0/0	461	92.81%

* 10% load results are for informative purposes only and not included in certification requirements.

** Fan power is not included in the efficiency calculations

