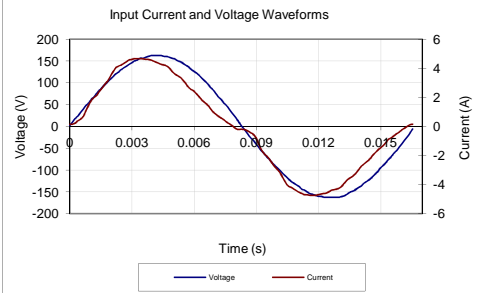


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	93.40%
AVERAGE EFFICIENCY :	92.38%
80 PLUS COMPLIANT:	YES



Ecos ID #	3435
Manufacturer	Hewlett-Packard Company
Model Number	PCC005-020H2
Serial Number	NA
Year	2013
Type	ATX12V
Test Date	1/21/13

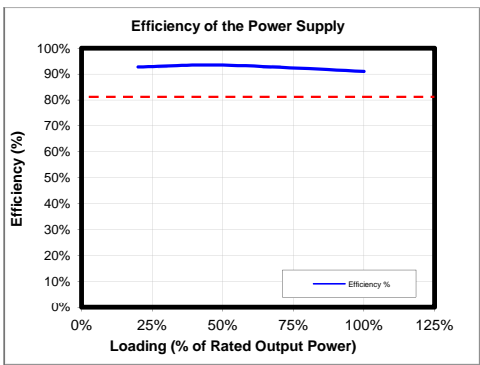
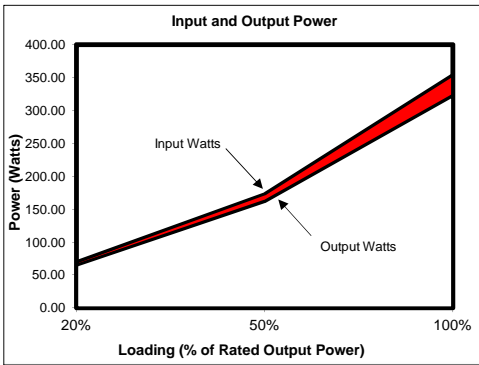


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>320</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 15.85%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %	
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V			12Vsb
0.34	0.92	15.96%	10%	36.12	12.1/2.5	12/0	0/0	0/0	12.1/0.1	32.27	89.34%
0.63	0.97	12.89%	20%	70.17	12.1/5.1	11.8/0	0/0	0/0	12.1/0.3	65.03	92.68%
1.54	0.98	15.85%	50%	173.42	12.1/12.7	11.7/0.1	0/0	0/0	12/0.6	161.97	93.40%
3.15	0.98	14.35%	100%	354.50	12.1/25.4	11.8/0.1	0/0	0/0	11.8/1.2	322.76	91.05%



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/>

