80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	**94.39%**
AVERAGE EFFICIENCY :	**93.46%**
80 PLUS COMPLIANT:	**YES**

ID #	SO-1155.1
Manufacturer	Hewlett Packard Enterprise
Model Number	865412-102
Serial Number	N/A
Year	2016
Type	1U
Test Date	09/08/16
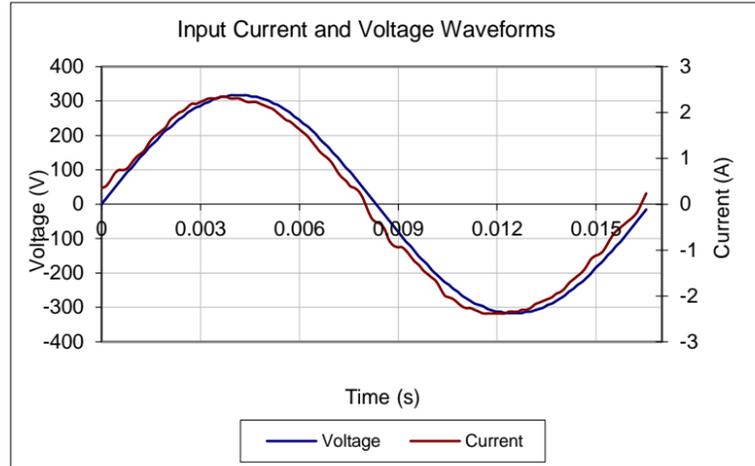
Rated Specifications	Value	Units
Input Voltage	**100-240**	Volts
Input Current	**9.4-4.5**	Amps
Input Frequency	**50-60**	Hz
Rated Output Power	**800**	**Watts**

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

Input Current and Voltage Waveforms

Input AC Current Waveform (ITHD = 3.05%, 50% Load)

I_{RMS} A	PF	I_{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A) 12V	Output Watts	Efficiency %
0.42	0.95	8.35	10%	**Low**	92	0.36	12.28/6.68	82	**89.12%**
0.78	0.98	4.08	20%	**Light**	176	0.36	12.25/13.37	164	**93.06%**
1.88	1.00	3.05	50%	**Typical**	430	0.48	12.15/33.42	406	**94.39%**
3.75	1.00	1.59	100%	**Full**	863	1.20	12/66.83	802	**92.93%**

* Fan power is not included in the efficiency calculations

Input and Output Power

Efficiency of the Power Supply
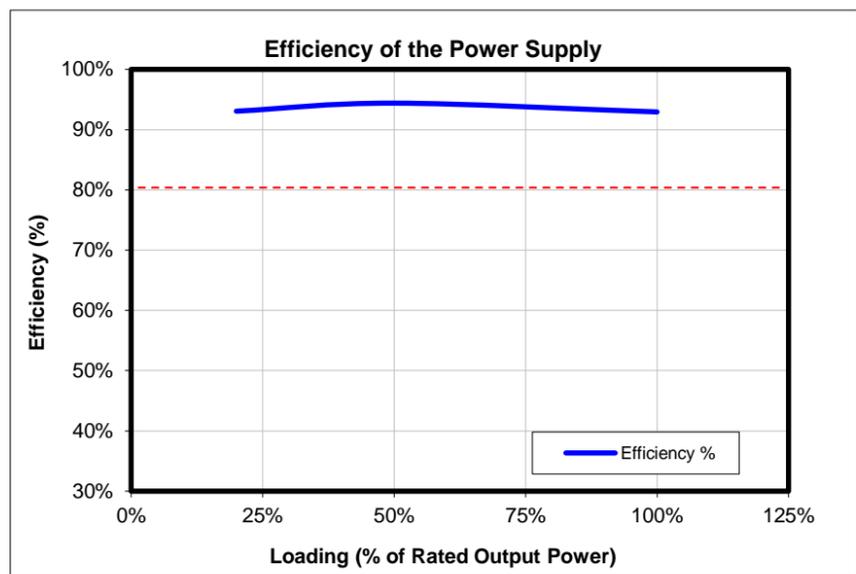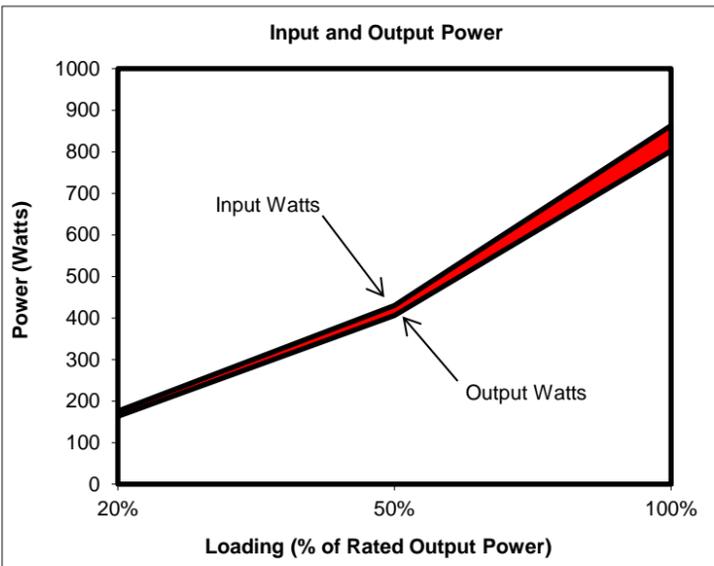
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. http://www.80plus.org/