

# 80 PLUS Verification and Testing Report

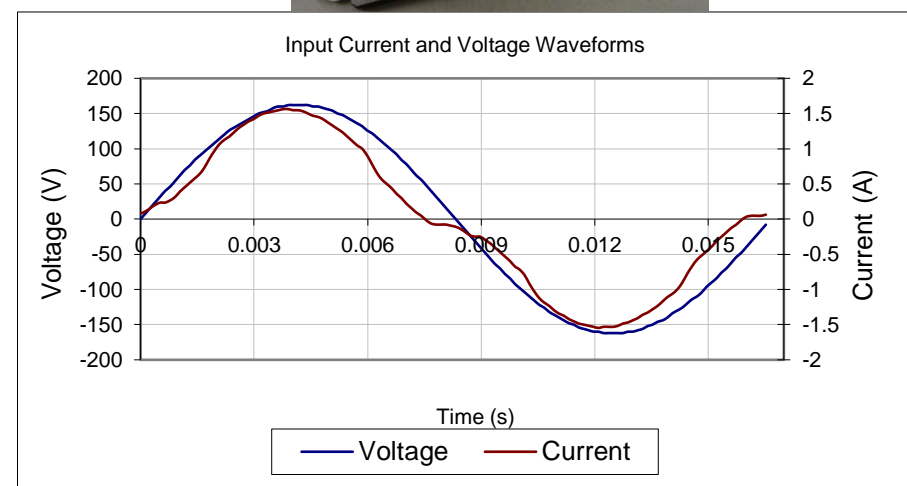
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.93%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>91.63%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	4731
<b>Manufacturer</b>	HP, Inc.
<b>Model Number</b>	APG002
<b>Serial Number</b>	NA
<b>Year</b>	2016
<b>Type</b>	AIO
<b>Test Date</b>	10/11/16

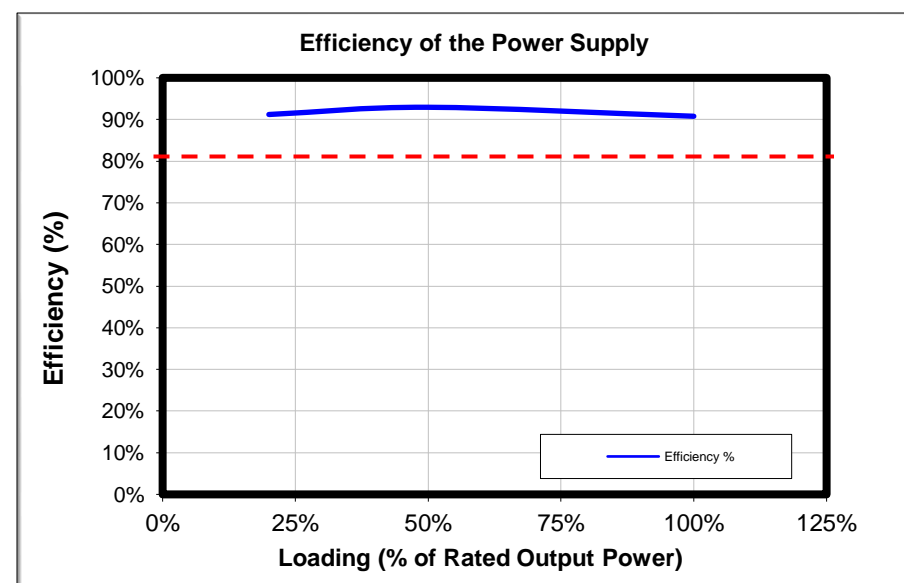
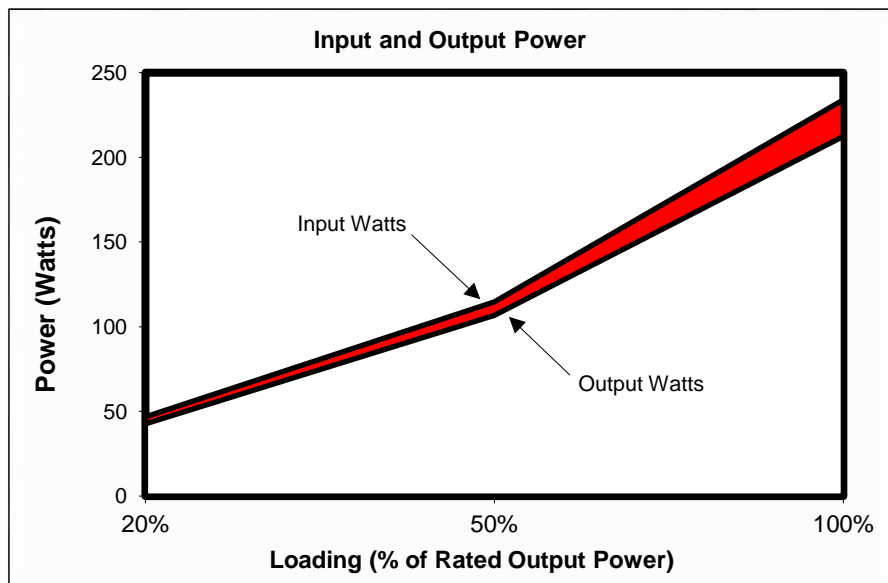
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>210</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 17.44%, 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 %
					12.1V (cumulative of 12V1, 12V2, etc.)			
0.25	0.84	22.42%	10%	24.11	12.27/1.75		21.43	88.87%
0.44	0.93	21.18%	20%	46.90	12.26/3.49		42.77	91.20%
1.02	0.97	17.44%	50%	114.72	12.24/8.71		106.61	92.93%
2.05	0.99	9.28%	100%	233.98	12.2/17.41		212.39	90.77%



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/>

