

80 PLUS Verification and Testing Report

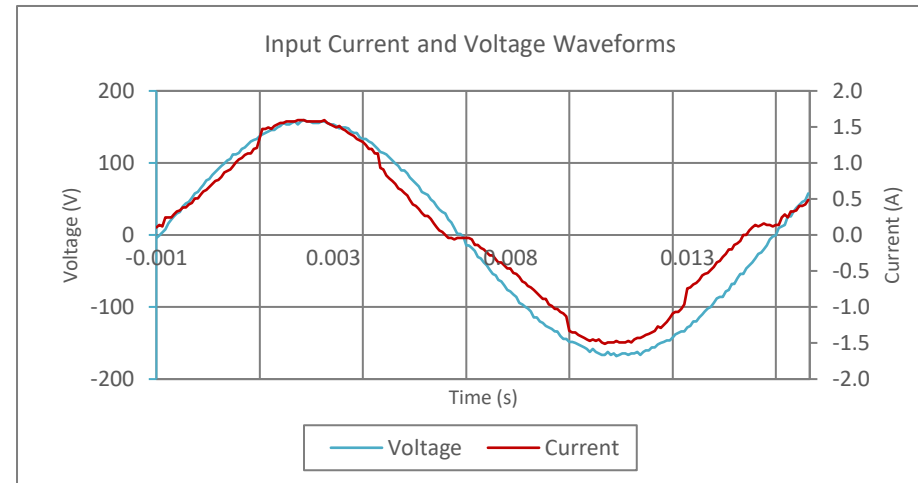
TYPICAL EFFICIENCY (50% Load):	92.32%
AVERAGE EFFICIENCY :	91.06%
80 PLUS COMPLIANT:	YES



ID Number	6631
Manufacturer	HP, Inc.
Model Number	APL002
Serial Number	N/A
Year	2021
Type	CUSTOM, All-in-One
Test Date	8/23/21

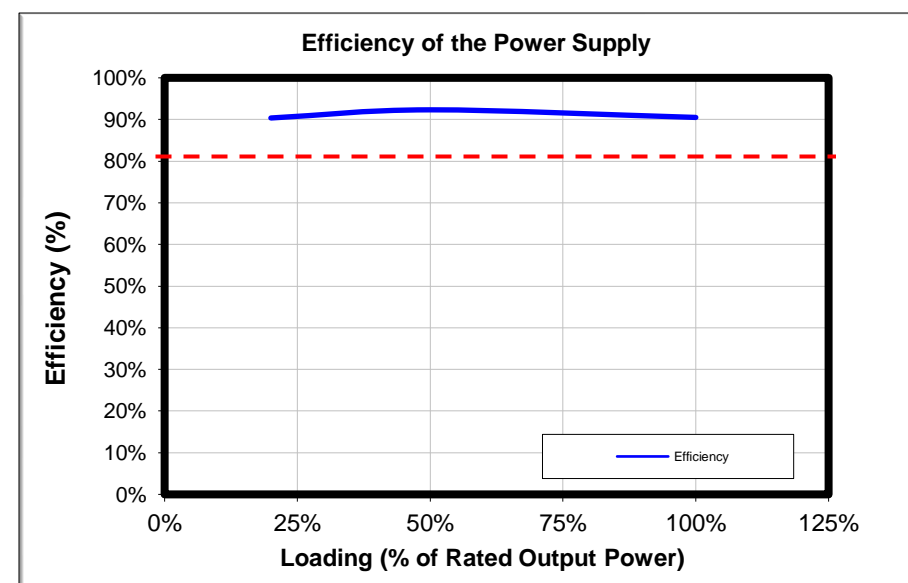
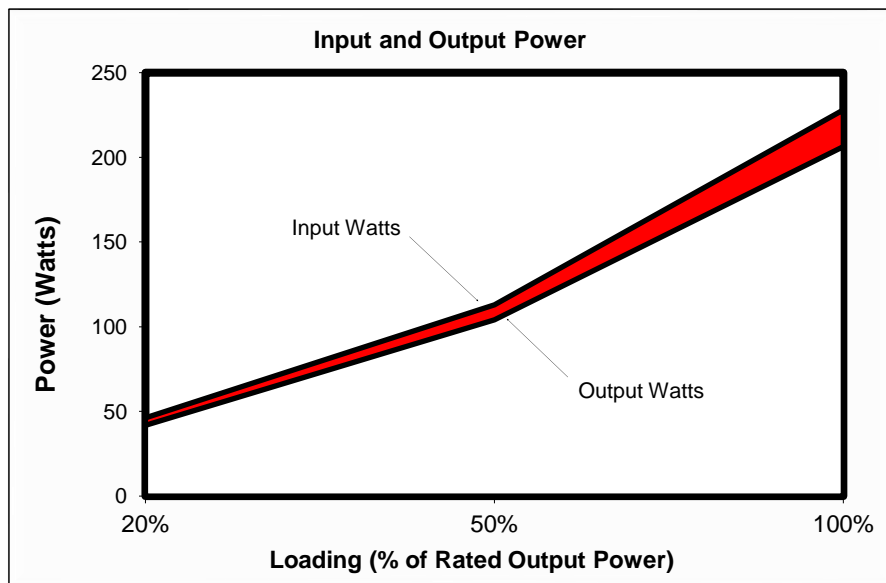
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3	Amps
Input Frequency	50-60	Hz
Rated Output Power	210	Watts

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



Input AC Current Waveform (ITHD = 14.74%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12.58V (cumulative of 12V1, 12V2, etc.)			
0.22	0.95	15.00%	10%	24.05	12.5/1.68		20.98	87.24%
0.41	0.98	16.59%	20%	46.26	12.46/3.35		41.80	90.36%
0.99	0.99	14.74%	50%	112.83	12.42/8.38		104.16	92.32%
1.99	1.00	6.01%	100%	228.01	12.32/16.75		206.33	90.49%



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/>