

80 PLUS Verification and Testing Report

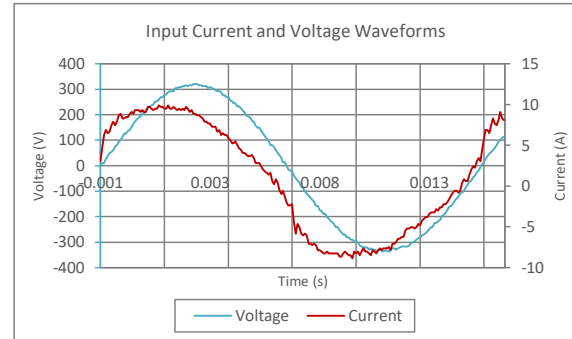
TYPICAL EFFICIENCY (50% Load):	94.17%
AVERAGE EFFICIENCY :	93.29%
80 PLUS COMPLIANT:	YES



ID Number	SO-1660
Manufacturer	Hewlett Packard Enterprise
Model Number	P21651-501
Serial Number	N/A
Year	2020
Type	1U
Test Date	01/17/20

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	290	Watts

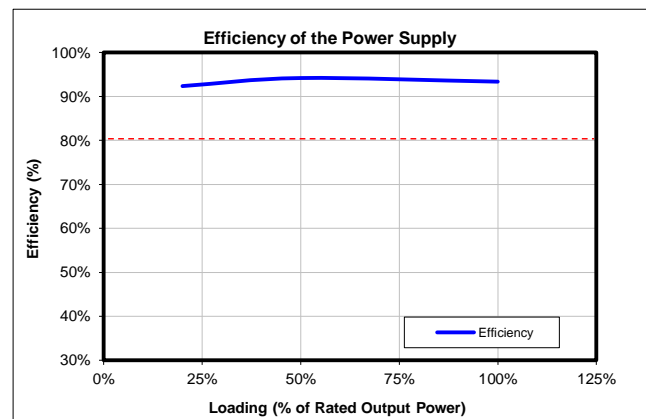
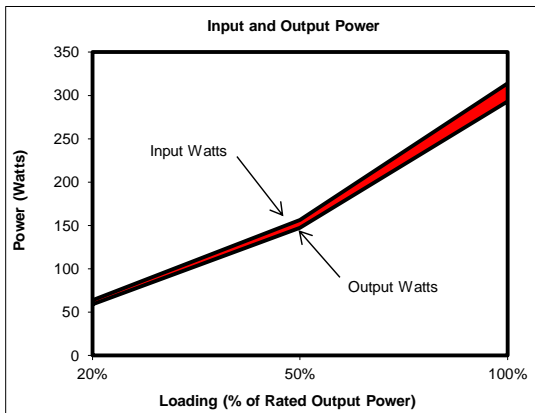
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 11.08%, 50% Load)

I _{RMS}	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		
0.21	0.68	13.65%	10%	Low	33	7.56	12.2/2.12	11.92/0.3	29	88.12%
0.33	0.84	14.10%	20%	Light	64	7.44	12.19/4.25	11.91/0.6	59	92.35%
0.71	0.96	11.08%	50%	Typical	156	7.44	12.17/10.61	11.88/1.51	147	94.17%
1.38	0.99	6.26%	100%	Full	314	7.44	12.13/21.22	11.83/3.01	293	93.35%

* Fan power is not included in the efficiency calculations



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/>

