

80 PLUS Verification and Testing Report

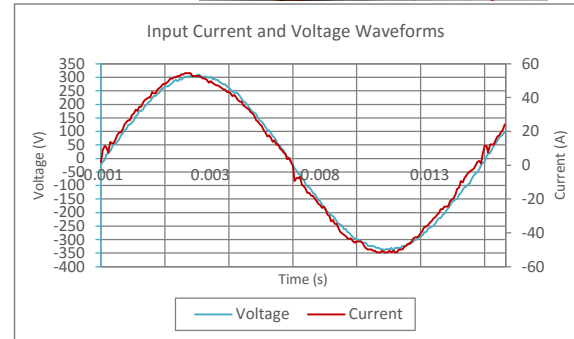
TYPICAL EFFICIENCY (50% Load):	95.20%
AVERAGE EFFICIENCY :	94.51%
80 PLUS COMPLIANT:	YES



ID Number	SO-1264
Manufacturer	Lenovo
Model Number	DPS-1600AB-11 X
Serial Number	SP57A02025
Year	2017
Type	1U
Test Date	04/10/17

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	8.7	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,600	Watts

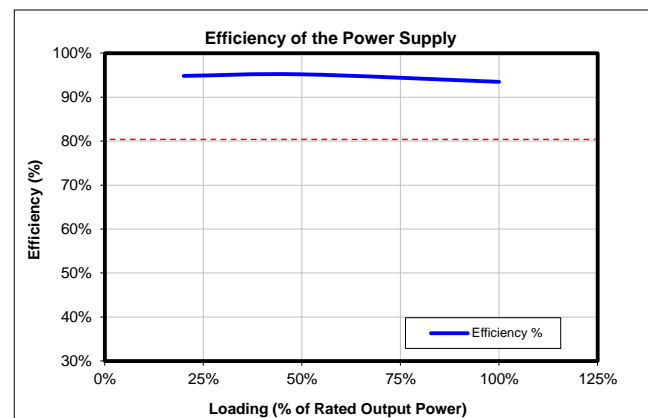
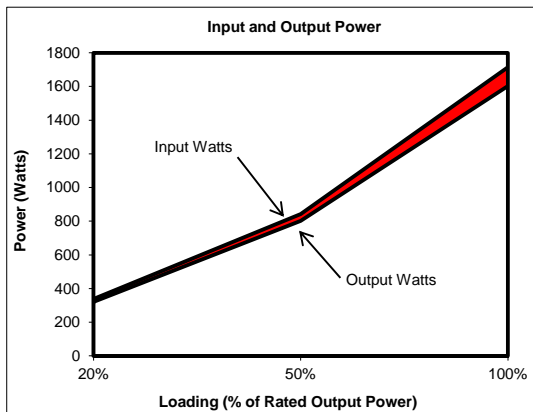
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.16%, 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)		Output Watts	Efficiency %
							12.2V	12.2Vsb		
0.80	0.95	4.54	10%	Low	173	0.48	12.2/12.85	12.19/0.29	160	92.59%
1.49	0.98	4.74	20%	Light	338	0.36	12.2/25.7	12.16/0.59	321	94.84%
3.68	1.00	2.16	50%	Typical	842	1.56	12.2/64.26	12.09/1.47	802	95.20%
7.46	1.00	1.83	100%	Full	1714	15.12	12.19/128.53	11.98/2.95	1602	93.49%

* 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/>

