

# 80 PLUS Verification and Testing Report

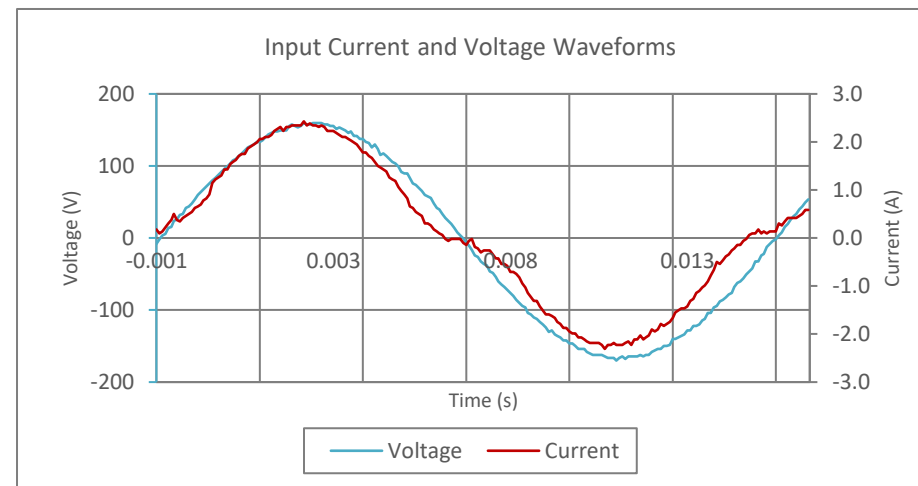
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>92.74%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>91.28%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5426
<b>Manufacturer</b>	Lenovo (United States), Inc.
<b>Model Number</b>	Lenovo (PCJ007)
<b>Serial Number</b>	N/A
<b>Year</b>	2018
<b>Type</b>	SFX
<b>Test Date</b>	11/20/18

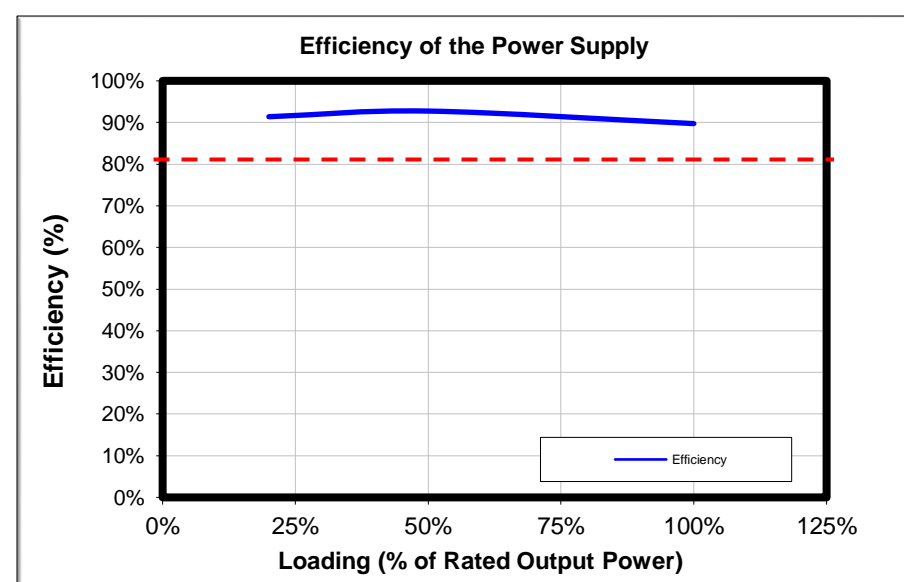
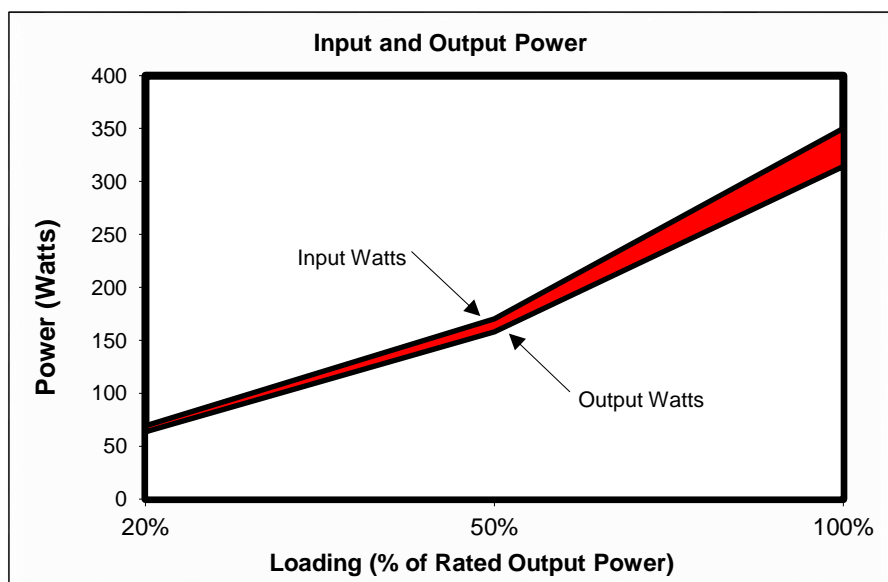
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	4	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>310</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 14.35%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V		
0.32	0.95	22.47%	10%	35.32	12.22/2.56	11.86/0.02	31.50	89.17%
0.62	0.96	22.23%	20%	69.29	12.21/5.15	11.9/0.04	63.32	91.38%
1.50	0.99	14.35%	50%	170.34	12.17/12.88	11.93/0.1	157.97	92.74%
3.07	0.99	7.87%	100%	350.20	12.11/25.74	12.2/0.2	314.24	89.73%



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/>

