

# 80 PLUS Verification and Testing Report

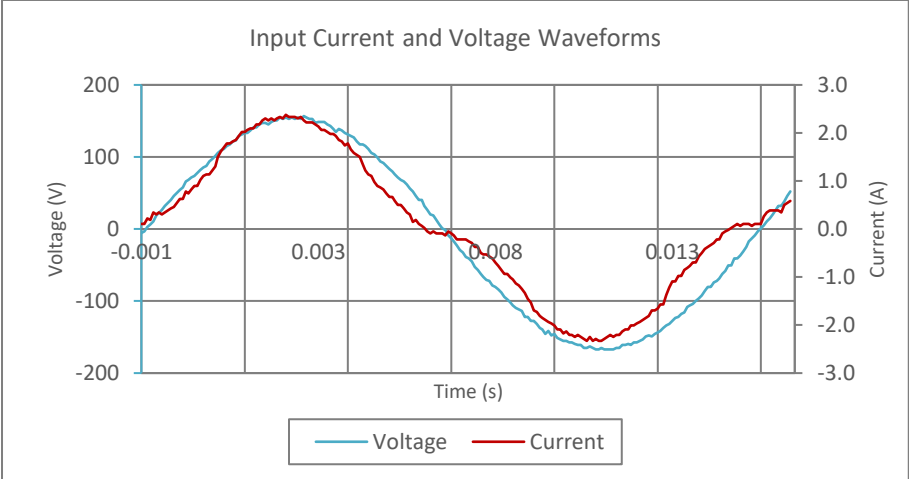
TYPICAL EFFICIENCY (50% Load):	90.76%
AVERAGE EFFICIENCY :	89.31%
80 PLUS COMPLIANT:	YES



ID Number	5739
Manufacturer	Lenovo (United States), Inc.
Model Number	(Lenovo)PCK023
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	10/28/19

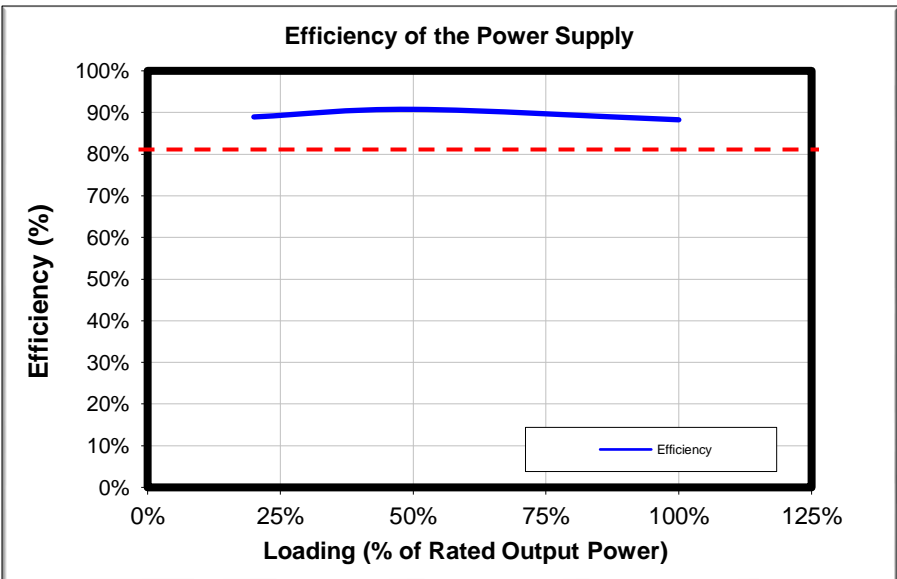
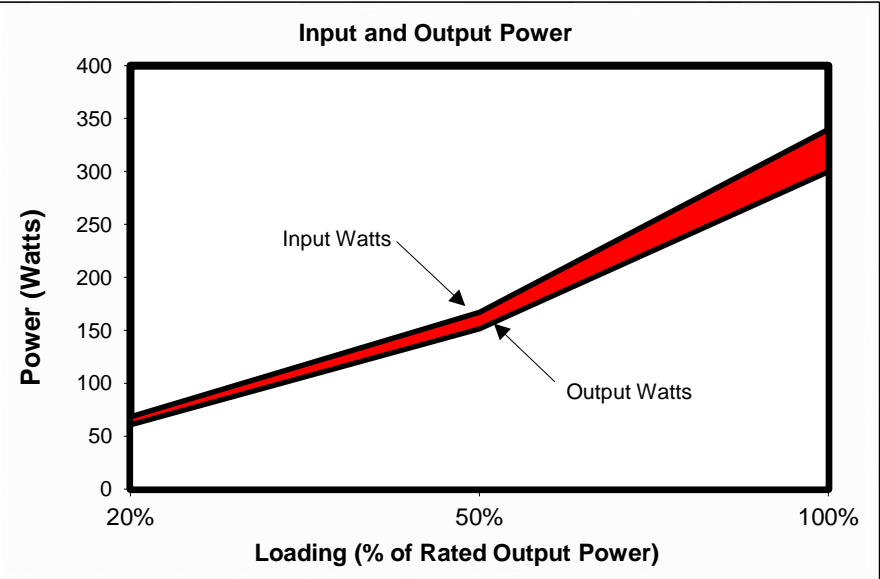
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50/60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (ITHD = 17.45%, 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	0.94	22.34%	10%	35.12	12.14/2.49	11.75/0.02	30.46	86.72%
0.61	0.97	20.39%	20%	68.35	12.12/4.98	11.71/0.04	60.79	88.93%
1.48	0.98	17.45%	50%	166.83	12.06/12.46	11.7/0.1	151.41	90.76%
2.99	0.99	9.71%	100%	339.80	11.95/24.89	11.77/0.2	299.85	88.24%



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/>

