

80 PLUS Verification and Testing Report

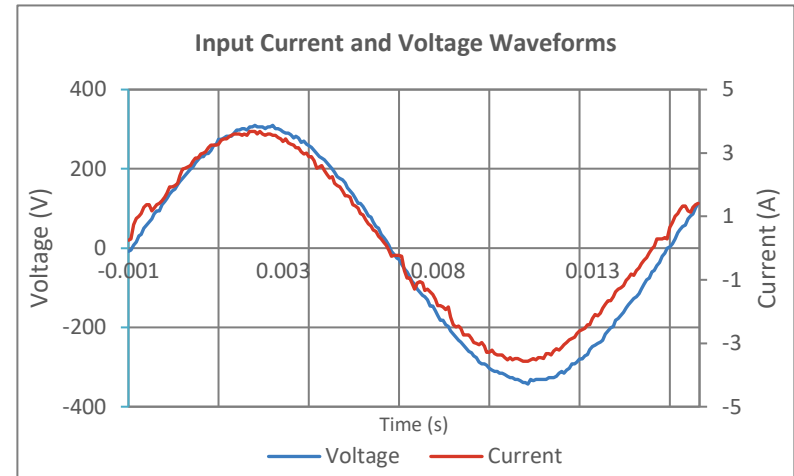
TYPICAL EFFICIENCY (50% Load):	96.23%
AVERAGE EFFICIENCY :	95.42%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2005.1
Manufacturer	Lenovo
Model Number	FSM037
Serial Number	N/A
Year	2022
Type	1U
Test Date	03/29/22

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5.9	Amps
Input Frequency	50/60	Hz
Rated Output Power	1,100	Watts

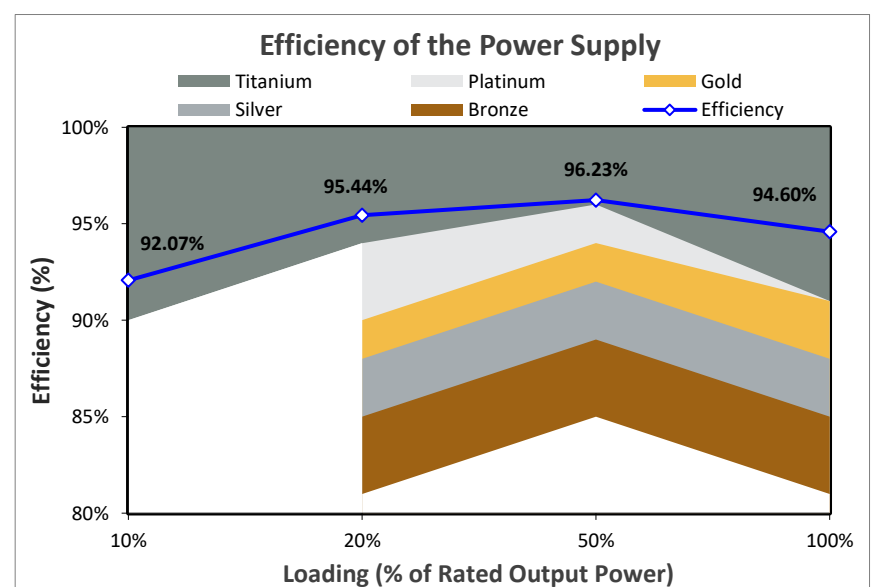
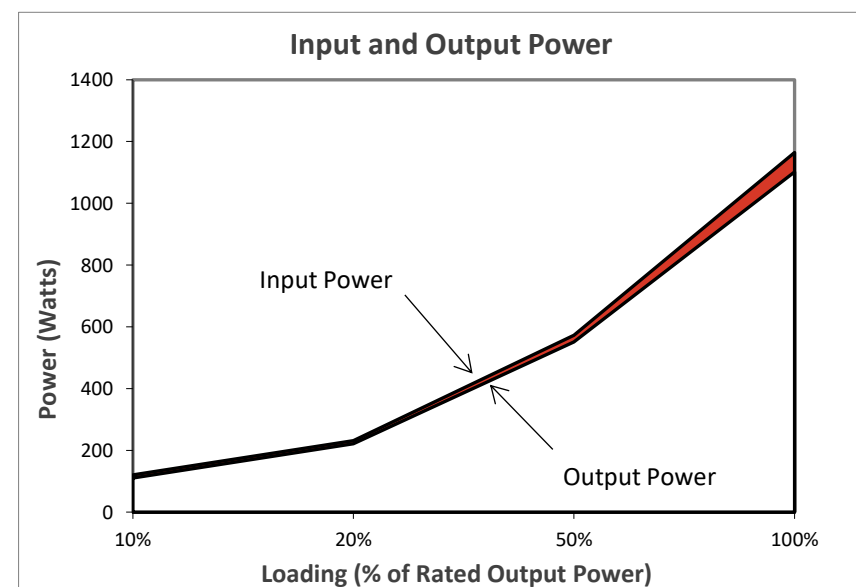
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 3.96%, 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
							12.2V		
0.552	0.9453	11.41%	10%	Low	119.89	1.32	12.21/9.04	110.38	92.07%
1.024	0.9818	5.51%	20%	Light	231.33	1.44	12.21/18.09	220.79	95.44%
2.503	0.9955	3.96%	50%	Typical	573.16	1.68	12.2/45.22	551.54	96.23%
5.066	0.9994	2.16%	100%	Full	1164.48	5.52	12.18/90.44	1101.61	94.60%

* 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/>