

80 PLUS Verification and Testing Report

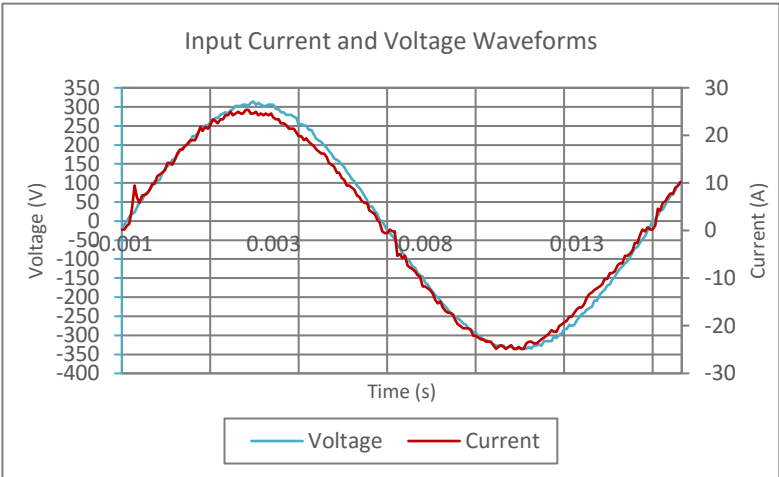
TYPICAL EFFICIENCY (50% Load):	94.83%
AVERAGE EFFICIENCY :	93.90%
80 PLUS COMPLIANT:	YES



ID Number	SO-1254
Manufacturer	Lenovo
Model Number	FSG023
Serial Number	N/A
Year	2017
Type	1U
Test Date	03/22/17

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4.1	Amps
Input Frequency	50/60	Hz
Rated Output Power	750	Watts

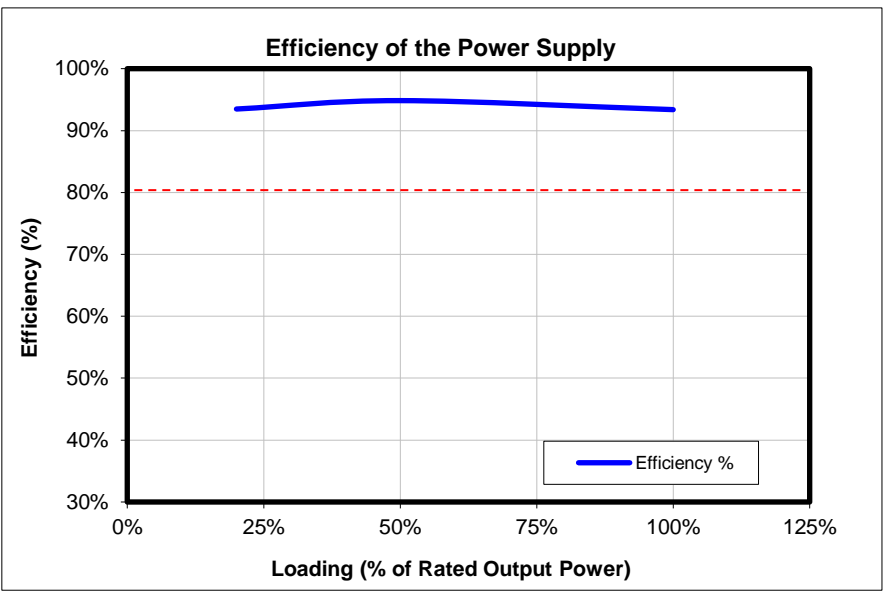
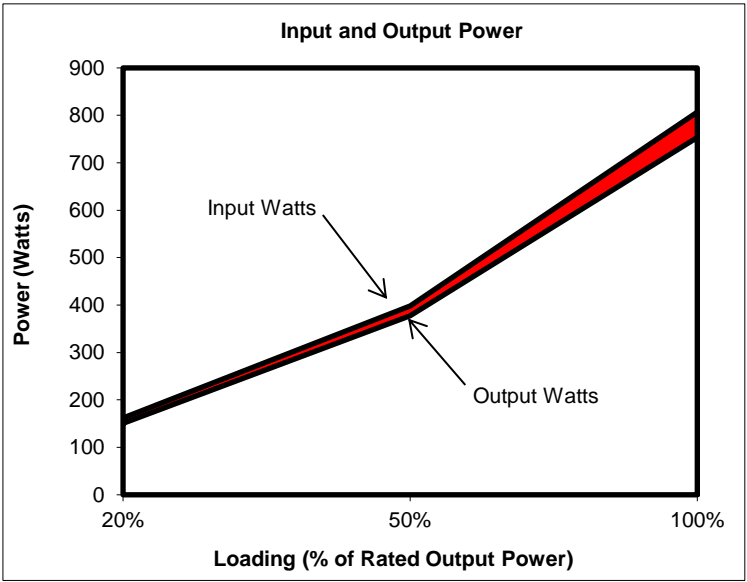
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.47%, 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		
0.37	0.98	12.18	10%	Low	83	0.36	12.25/5.87	12.25/0.29	75	91.12%
0.71	0.99	6.09	20%	Light	162	0.36	12.26/11.75	12.25/0.58	151	93.48%
1.73	1.00	2.47	50%	Typical	398	0.36	12.24/29.37	12.23/1.44	377	94.83%
3.51	1.00	1.88	100%	Full	807	1.20	12.23/58.76	12.2/2.88	753	93.38%

* 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/>

