

80 PLUS Verification and Testing Report

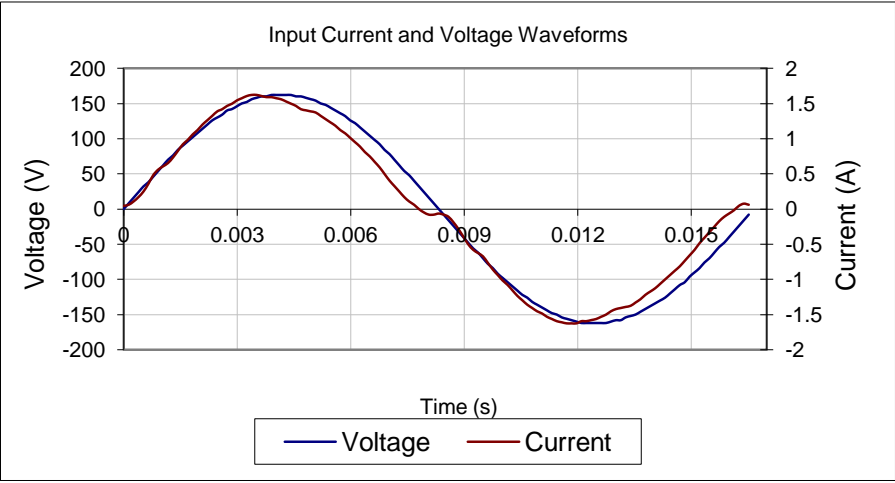
TYPICAL EFFICIENCY (50% Load):	85.39%
AVERAGE EFFICIENCY :	84.69%
80 PLUS COMPLIANT:	YES



Ecos ID #	4679
Manufacturer	Lenovo (United States), Inc.
Model Number	(LENOVO)FSP210-20TGBAB
Serial Number	NA
Year	2016
Type	TFX
Test Date	8/17/16

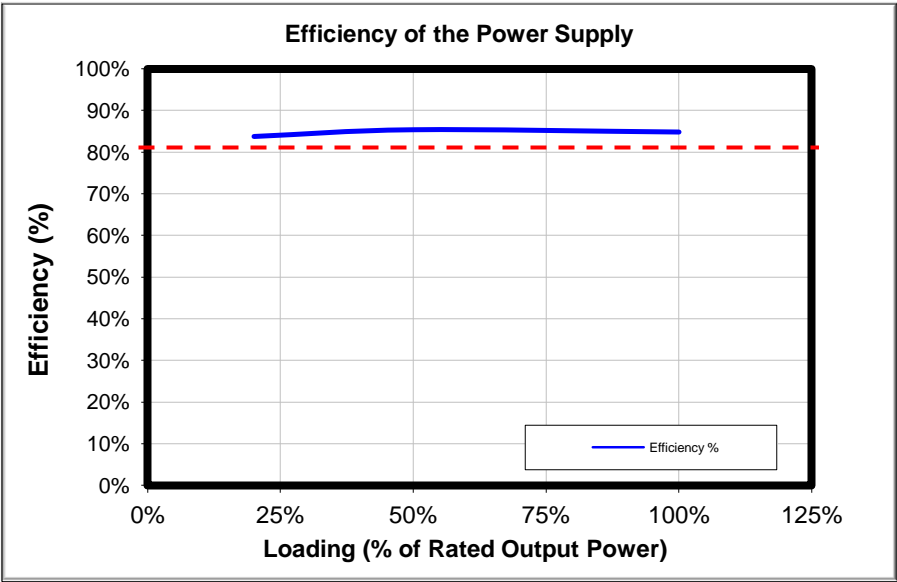
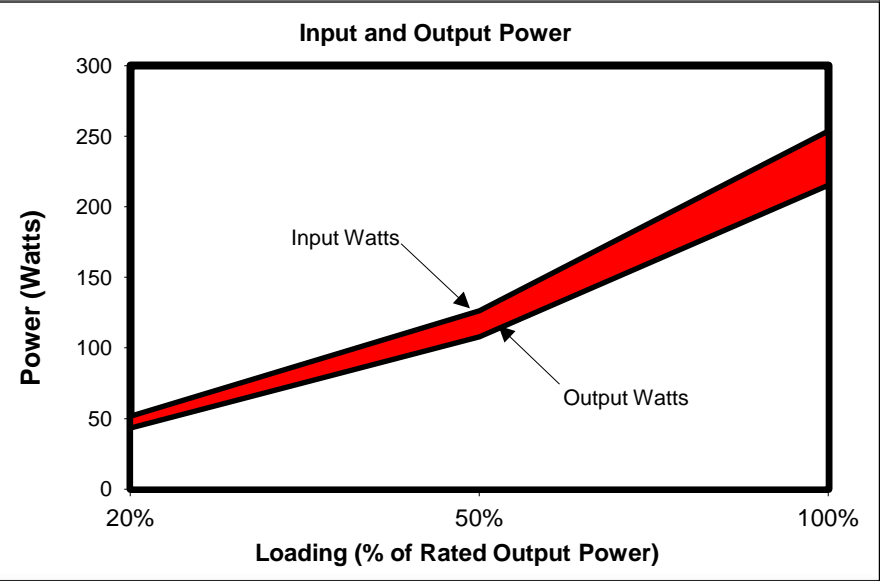
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	3	Amps
Input Frequency	50/60	Hz
Rated Output Power	210	Watts

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



Input AC Current Waveform (ITHD = 9.49%, 50% Load)

I <sub>RMS</sub> A	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		
0.29	0.79	17.27%	10%	26.64	12.3/1.74	12.19/0.02	21.60	81.07%
0.47	0.96	13.57%	20%	51.61	12.29/3.48	12.22/0.04	43.25	83.81%
1.11	0.99	9.49%	50%	126.32	12.28/8.68	12.32/0.1	107.87	85.39%
2.23	0.99	9.14%	100%	253.70	12.27/17.35	12.4/0.2	215.28	84.86%



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/>

