80 PLUS Verification and Testing Report

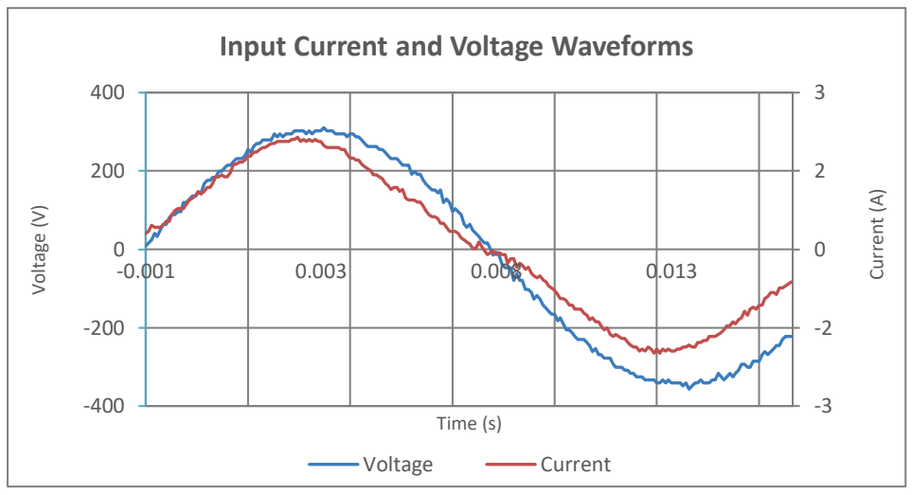
TYPICAL EFFICIENCY (50% Load):	**92.49%**
AVERAGE EFFICIENCY :	**90.26%**
80 PLUS COMPLIANT:	**Gold**



ID Number	EU-903
Manufacturer	Lenovo
Model Number	FSP550-50ALA
Serial Number	8SSP50H29676F1SH254000R
Year	2022
Type	ATX12V
Test Date	6/22/22

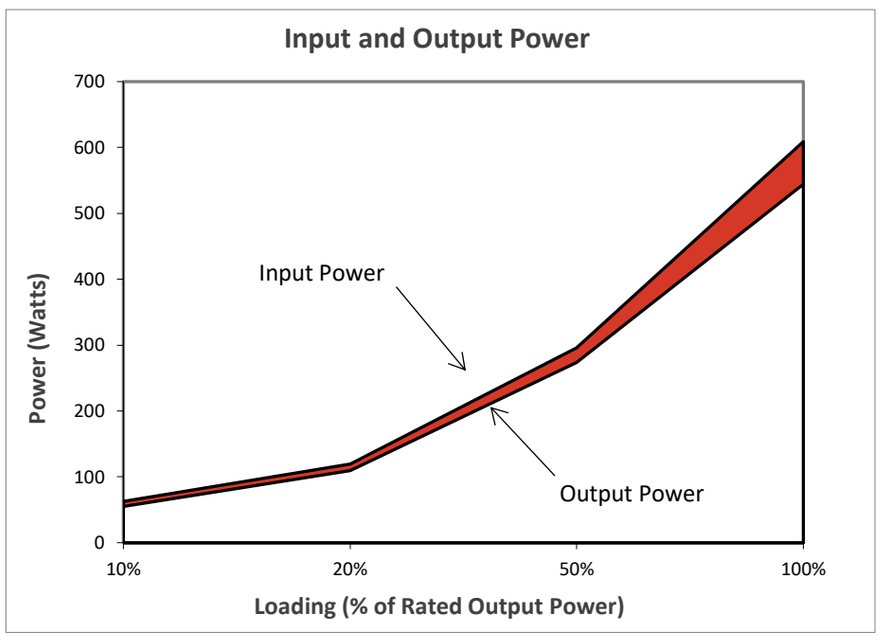
Rated Specifications	Value	Units
Input Voltage	200-240	**Volts**
Input Current	6	**Amps**
Input Frequency	50-60	**Hz**
Rated Output Power	550	**Watts**

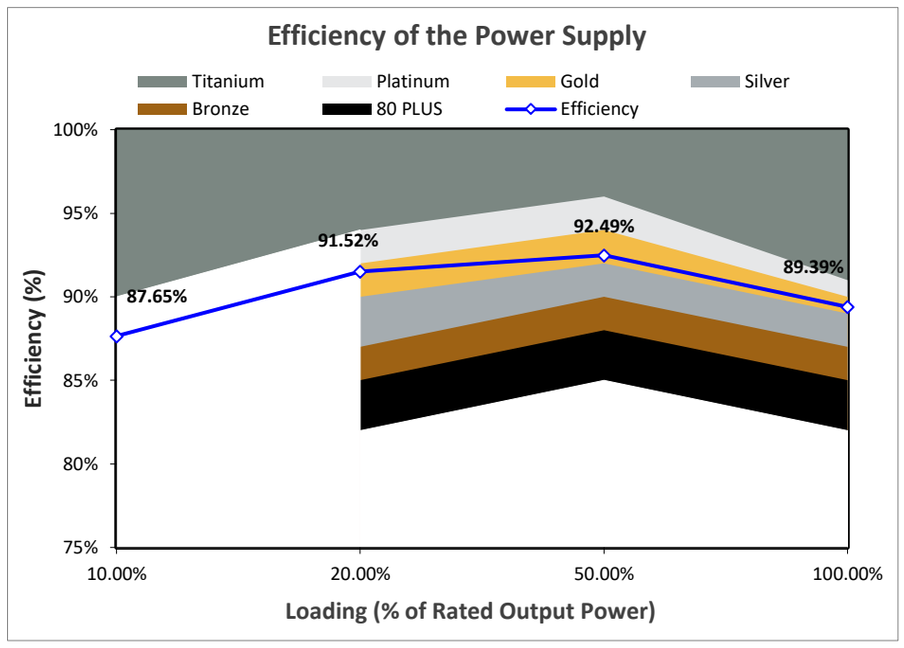
Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 11.86%, 50% Load)

I_{RMS}	PF	I_{THD}	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5.08Vsb		
0.298	0.9104	27.97%	10%	**62.37**	11.9/3.69	11.41/0.03	3.36/0.59	5.05/1.46	5.11/0.21	**54.67**	**87.65%**
0.546	0.9541	20.53%	20%	**119.83**	11.89/7.42	11.38/0.05	3.36/1.17	5.05/2.92	5.05/0.42	**109.67**	**91.52%**
1.306	0.9835	11.86%	50%	**295.60**	11.87/18.57	11.29/0.13	3.34/2.93	5.02/7.26	5.08/1.05	**273.39**	**92.49%**
2.667	0.9924	8.06%	100%	**608.90**	11.83/37.15	11.26/0.25	3.32/5.86	4.98/14.47	5.01/2.1	**544.29**	**89.39%**





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/*