

80 PLUS Verification and Testing Report

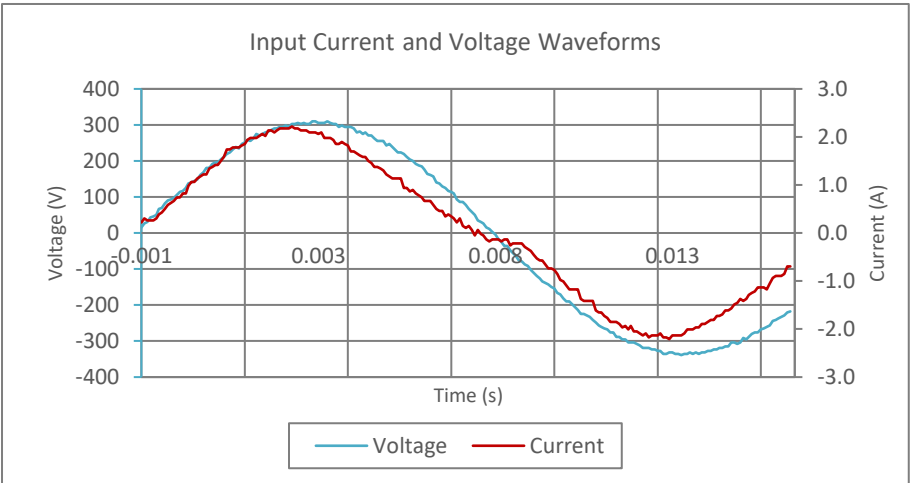
TYPICAL EFFICIENCY (50% Load):	88.28%
AVERAGE EFFICIENCY :	86.82%
80 PLUS COMPLIANT:	YES



ID Number	EU-605
Manufacturer	SilentiumPC
Model Number	SilentiumPC Elementum E2 550W 80plus EU
Serial Number	N/A
Year	2019
Type	ATX12V, EPS12V
Test Date	11/15/19

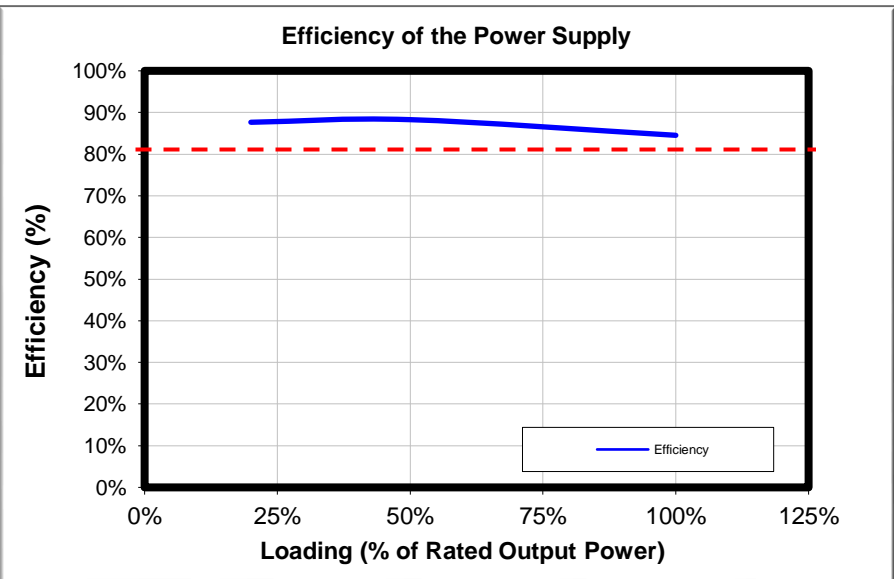
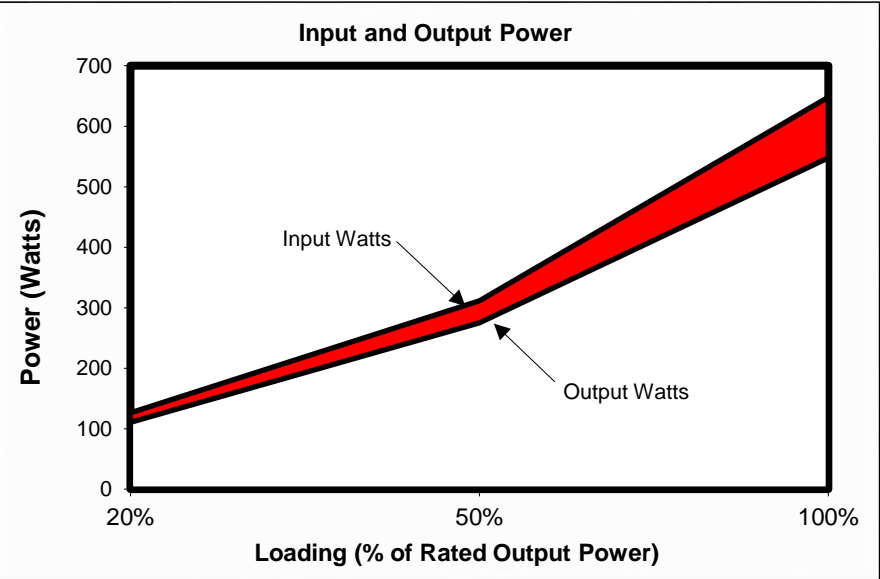
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 14.16%, 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	5Vsb		
0.31	0.91	29.33%	10%	65.81	11.91/3.58	11.79/0.04	3.39/1.26	5.12/1.26	5.08/0.22	54.95	83.49%
0.57	0.96	21.54%	20%	125.82	11.91/7.19	11.82/0.09	3.38/2.52	5.11/2.51	5.06/0.44	110.28	87.65%
1.38	0.98	14.16%	50%	311.40	11.92/17.95	11.9/0.22	3.36/6.31	5.06/6.26	5.02/1.09	274.91	88.28%
2.84	0.99	10.76%	100%	647.90	11.92/35.89	12.04/0.44	3.31/12.62	4.98/12.48	4.95/2.18	547.61	84.52%



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/>

