

# 80 PLUS Verification and Testing Report

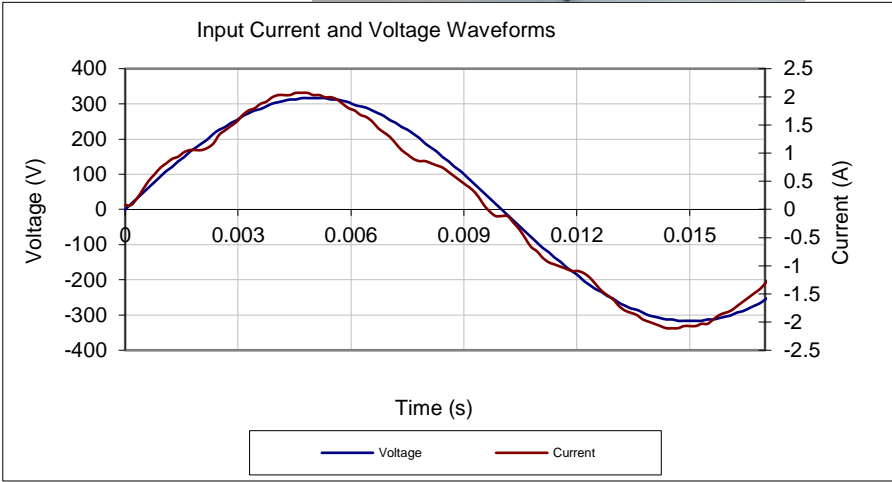
TYPICAL EFFICIENCY (50% Load):	87.66%
AVERAGE EFFICIENCY :	86.12%
80 PLUS COMPLIANT:	YES



ID Number	EU-288
Manufacturer	VINGA
Model Number	VPS-550P
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	2/2/17

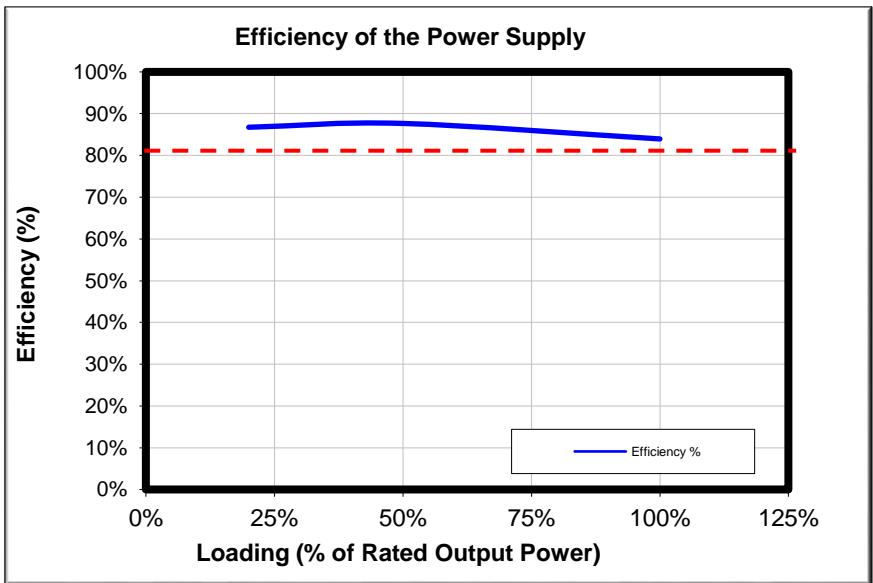
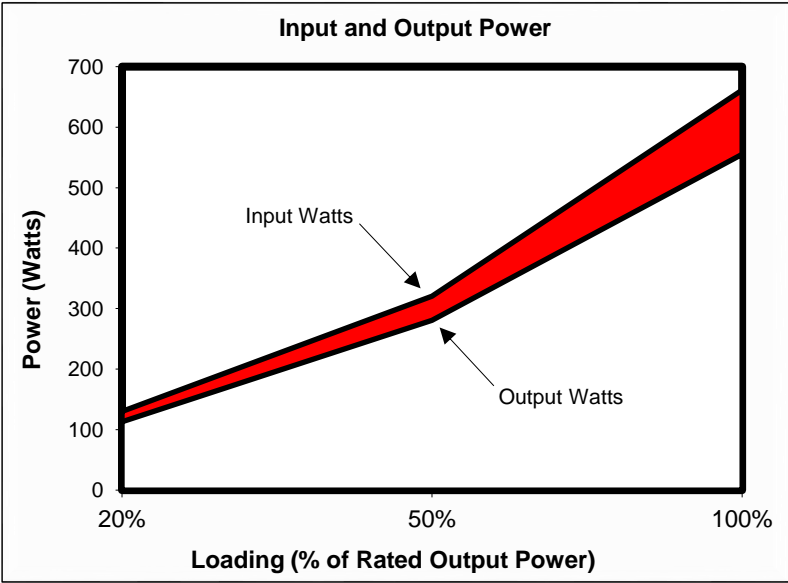
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 8.88%, 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	3.3V	5V	5Vsb		
0.40	0.74	29.68%	10%	68.57	12.34/3.8	12.1/0.03	3.38/0.98	5.13/0.98	5.11/0.21	56.63	82.59%
0.68	0.83	10.24%	20%	130.24	12.33/7.6	12.24/0.05	3.37/1.96	5.11/1.95	5.1/0.42	112.98	86.74%
1.47	0.94	8.88%	50%	320.20	12.25/18.98	12.26/0.13	3.34/4.92	5.07/4.88	5.05/1.05	280.68	87.66%
2.97	0.97	11.03%	100%	661.30	12.13/37.93	12.34/0.25	3.3/9.82	5/9.76	4.98/2.11	555.14	83.95%



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/>

