

80 PLUS Verification and Testing Report

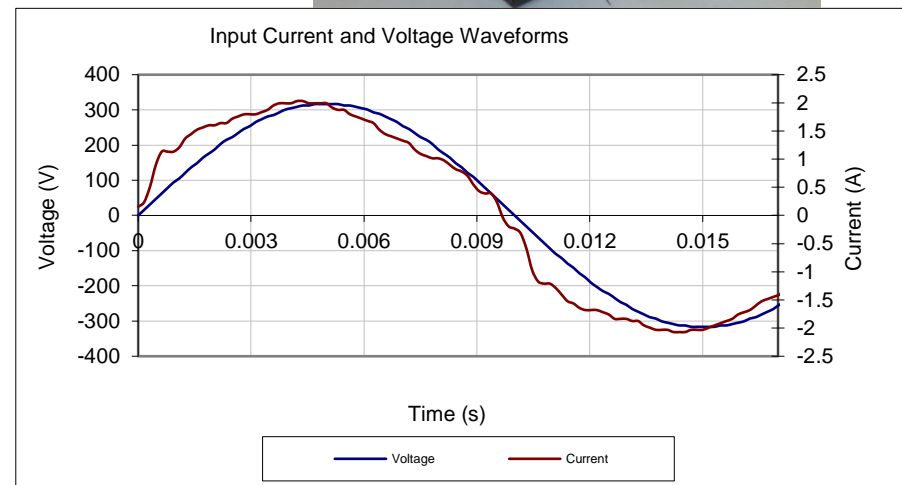
TYPICAL EFFICIENCY (50% Load):	87.29%
AVERAGE EFFICIENCY :	85.87%
80 PLUS COMPLIANT:	YES



ID Number	EU-289
Manufacturer	VINGA
Model Number	VPS-600P
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	2/2/17

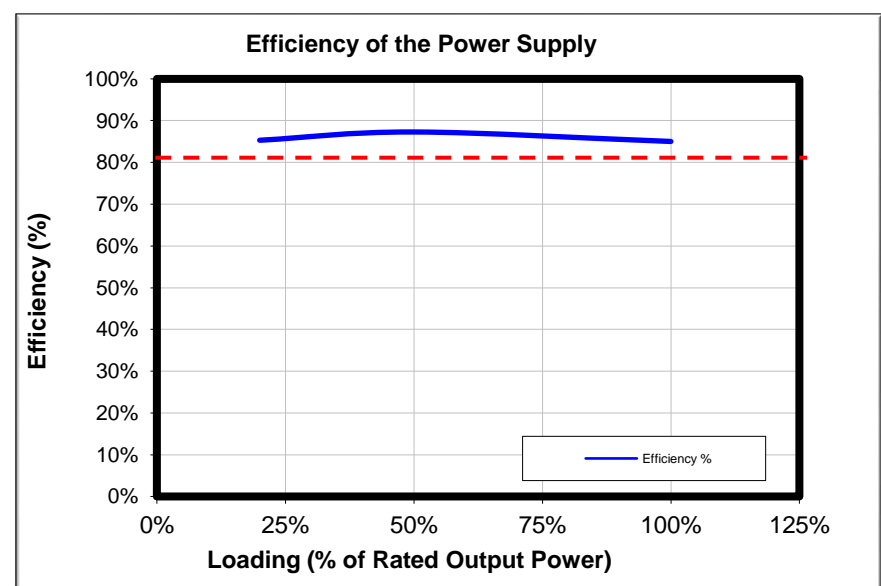
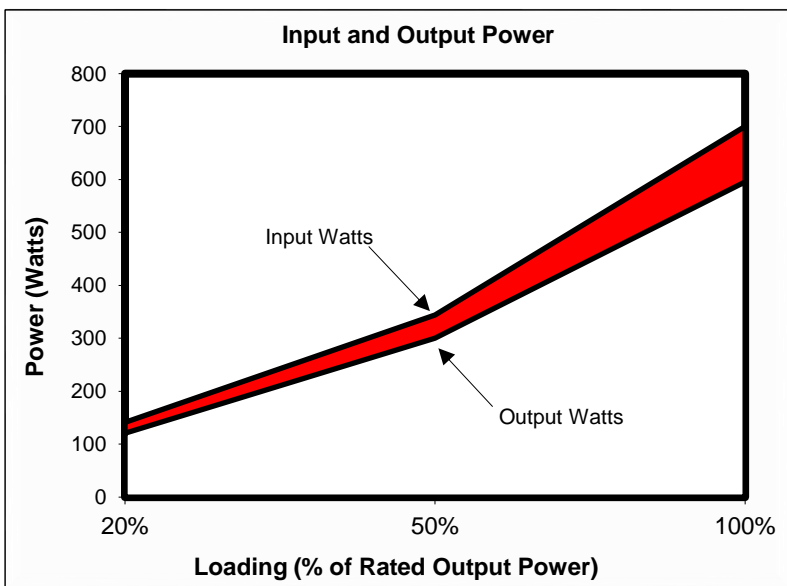
Rated Specifications	Value	Units
Input Voltage	230	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 11.12%, 50% Load)

I _{RMS} A	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		
0.45	0.73	18.74%	10%	75.30	12/4.2	11.49/0.03	3.42/1	5.14/1	5.17/0.21	60.36	80.16%
0.72	0.85	18.31%	20%	141.12	11.98/8.39	11.6/0.05	3.41/2	5.14/1.99	5.16/0.43	120.39	85.31%
1.53	0.98	11.12%	50%	343.90	11.91/21.05	11.98/0.13	3.39/5	5.13/4.96	5.12/1.07	300.18	87.29%
3.07	0.99	5.85%	100%	700.50	11.83/42.06	12.02/0.26	3.34/9.98	5.13/9.92	5.06/2.14	595.57	85.02%



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/>

