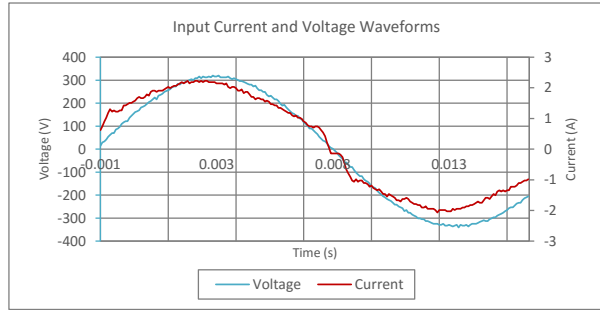


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>88.48%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>87.13%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-365
<b>Manufacturer</b>	Vinga
<b>Model Number</b>	VPS-600B
<b>Serial Number</b>	N/A
<b>Year</b>	2017
<b>Type</b>	ATX12V
<b>Test Date</b>	11/21/17

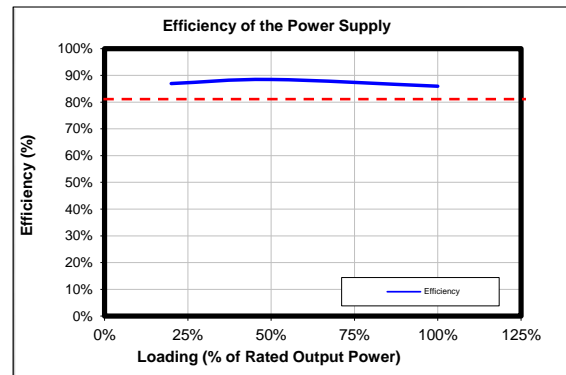
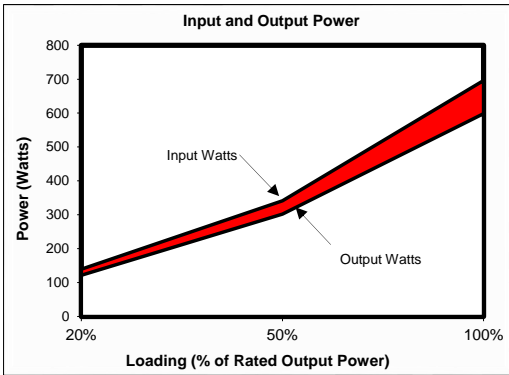


Input AC Current Waveform (ITHD = 10.5%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>600</b>	<b>Watts</b>

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

I <sub>RMS</sub>	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		
0.57	0.56	19.97%	10%	73.36	12.09/4.2	11.52/0.03	3.43/1	5.15/1	5.17/0.21	60.70	82.75%
0.83	0.73	21.01%	20%	139.74	12.08/8.41	11.68/0.05	3.42/2	5.15/1.99	5.16/0.43	121.50	86.95%
1.61	0.92	10.50%	50%	341.46	12.02/21.02	11.96/0.13	3.39/5	5.14/4.96	5.13/1.07	302.12	88.48%
3.10	0.98	5.62%	100%	696.10	11.94/41.86	12.01/0.26	3.36/9.98	5.14/9.92	5.08/2.14	598.36	85.96%



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/>

