

# 80 PLUS Verification and Testing Report

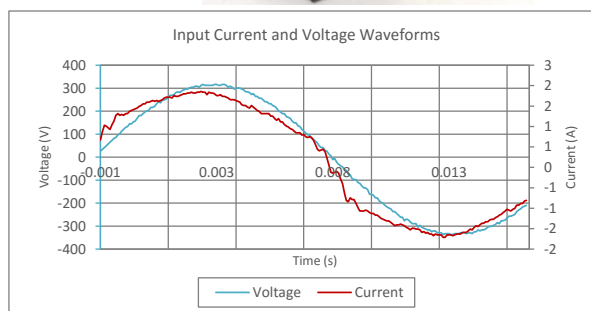
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>88.19%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>86.82%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	EU-364
<b>Manufacturer</b>	Vinga
<b>Model Number</b>	VPS-500B
<b>Serial Number</b>	N/A
<b>Year</b>	2017
<b>Type</b>	ATX12V
<b>Test Date</b>	11/21/17

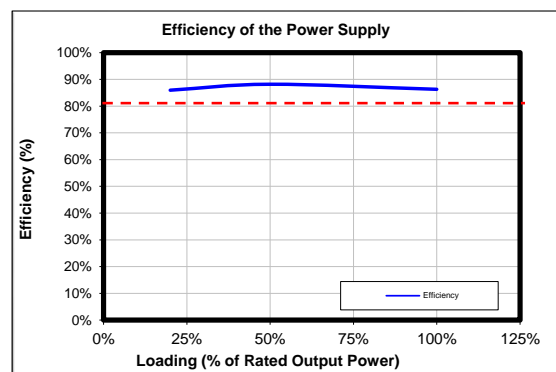
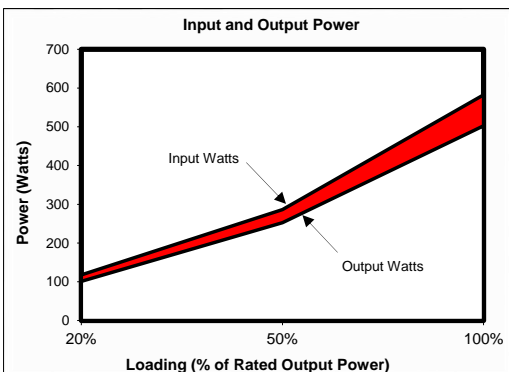
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 12.27%, 50% Load)

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		
0.38	0.71	15.59%	10%	62.62	12.13/3.55	11.59/0.03	3.42/0.73	5.16/0.73	5.17/0.22	50.73	81.01%
0.64	0.80	17.95%	20%	117.76	12.1/7.1	11.67/0.05	3.42/1.46	5.16/1.46	5.16/0.43	101.24	85.97%
1.30	0.96	12.27%	50%	286.30	12.05/17.78	11.97/0.13	3.4/3.64	5.16/3.62	5.14/1.08	252.48	88.19%
2.57	0.99	6.76%	100%	582.36	11.99/35.55	12.15/0.26	3.38/7.29	5.16/7.24	5.1/2.16	502.55	86.30%



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/>

