

80 PLUS Verification and Testing Report

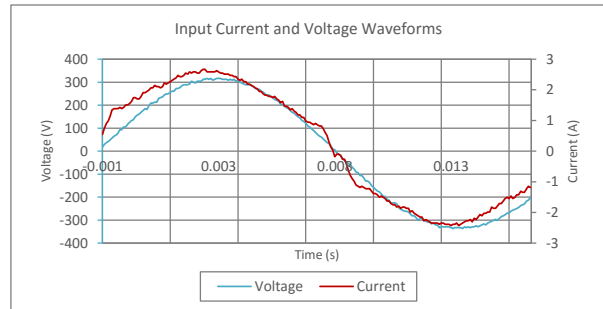
TYPICAL EFFICIENCY (50% Load):	88.10%
AVERAGE EFFICIENCY :	86.81%
80 PLUS COMPLIANT:	YES



ID Number	EU-366
Manufacturer	Vinga
Model Number	VPS-700B
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	11/21/17

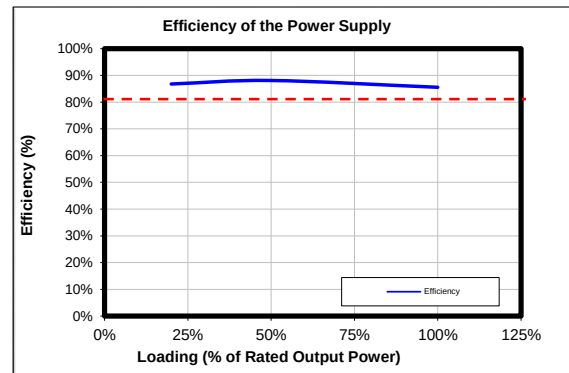
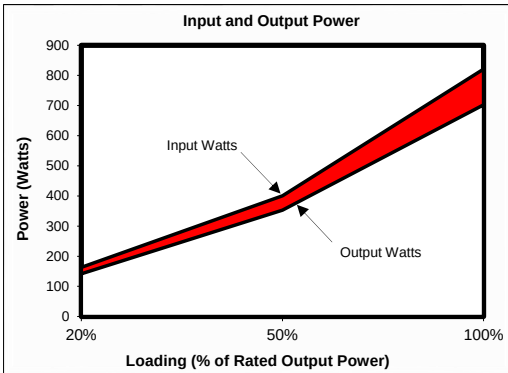
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	7	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (I_{THD} = 8.241%, 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		
0.63	0.60	19.56%	10%	86.48	12.09/5.03	11.71/0.03	3.43/1.01	5.16/1.01	5.19/0.22	70.91	82.00%
0.92	0.77	17.68%	20%	163.08	12.07/10.06	11.83/0.05	3.43/2.02	5.15/2.01	5.18/0.43	141.52	86.78%
1.86	0.94	8.24%	50%	400.30	12.01/25.17	12/0.13	3.42/5.05	5.15/5.02	5.15/1.08	352.66	88.10%
3.64	0.98	6.58%	100%	820.99	12/50.18	12.03/0.26	3.39/10.09	5.15/10.03	5.11/2.16	702.40	85.55%



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/>

