

80 PLUS Verification and Testing Report

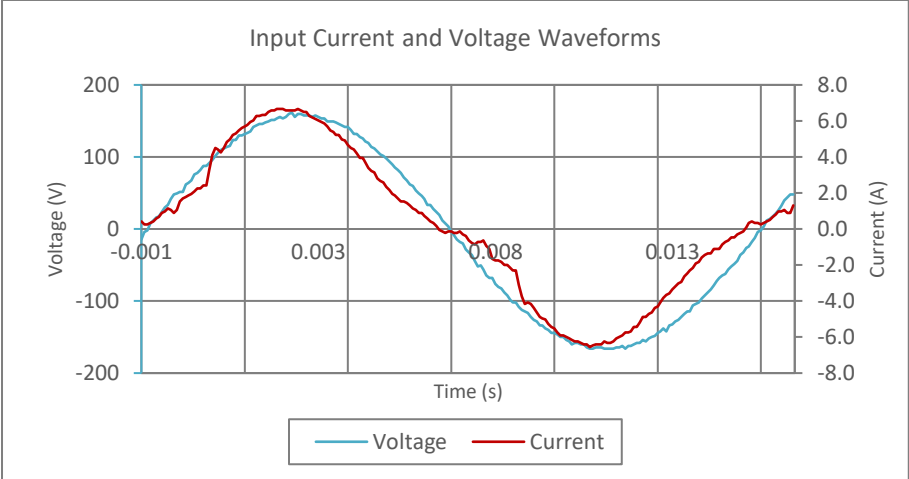
TYPICAL EFFICIENCY (50% Load):	92.17%
AVERAGE EFFICIENCY :	91.20%
80 PLUS COMPLIANT:	YES



ID Number	6645.1
Manufacturer	Vinga
Model Number	VPS-850GV2
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	8/25/21

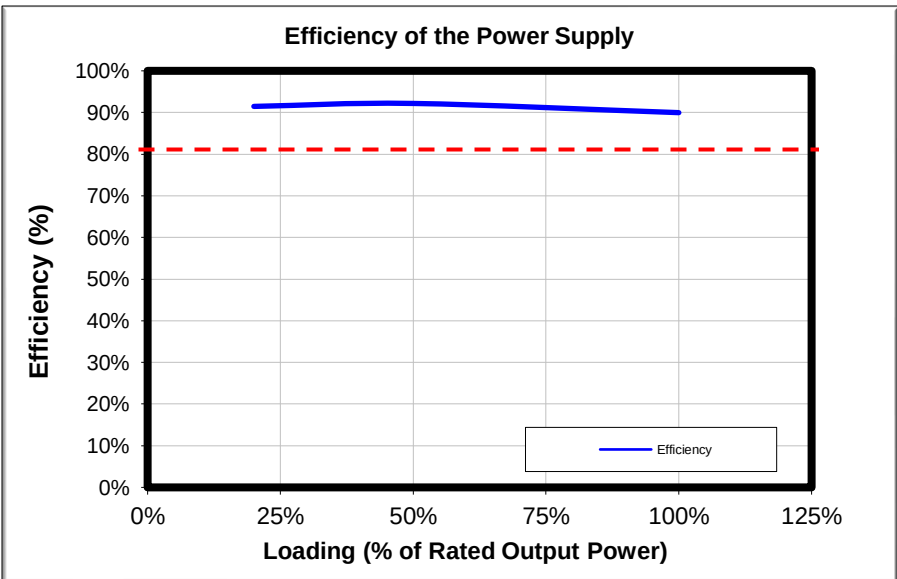
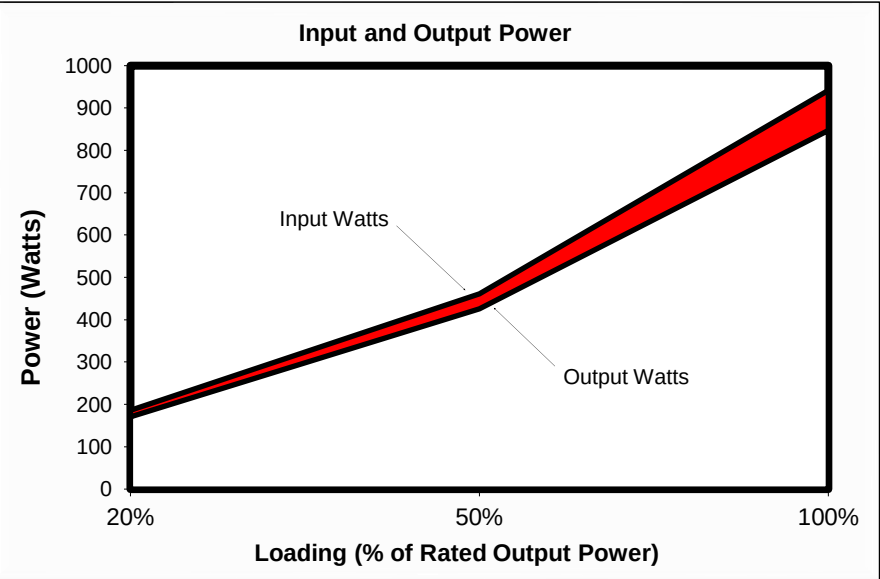
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 17.74%, 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		
0.88	0.96	21.89%	10%	96.78	11.99/6.21	11.63/0.03	3.36/1.07	5/1.07	5.11/0.27	85.13	87.96%
1.66	0.97	18.91%	20%	186.38	11.98/12.46	11.59/0.05	3.36/2.14	4.98/2.13	5.09/0.53	170.46	91.46%
4.10	0.98	17.74%	50%	461.70	11.98/31.14	11.58/0.13	3.37/5.34	4.97/5.3	5.04/1.33	425.55	92.17%
8.30	0.99	14.36%	100%	941.60	11.93/62.21	11.66/0.27	3.36/10.69	4.97/10.58	4.97/2.66	847.07	89.96%



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/>