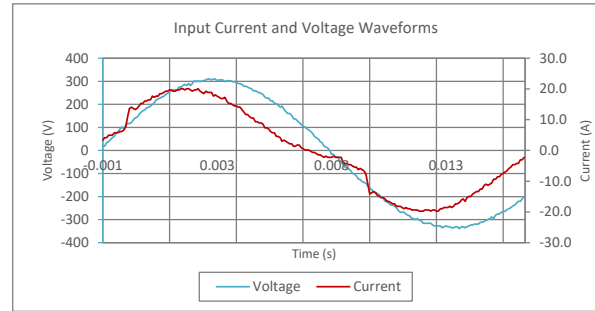


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	89.66%
AVERAGE EFFICIENCY :	88.07%
80 PLUS COMPLIANT:	YES



ID Number	EU-638
Manufacturer	SileniumPC
Model Number	SileniumPC Vero L3 Bronze 500W
Serial Number	2651912000004
Year	2020
Type	ATX12V,EPS12V
Test Date	1/21/20

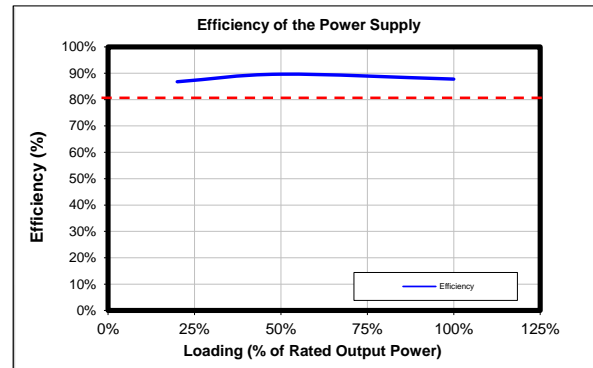
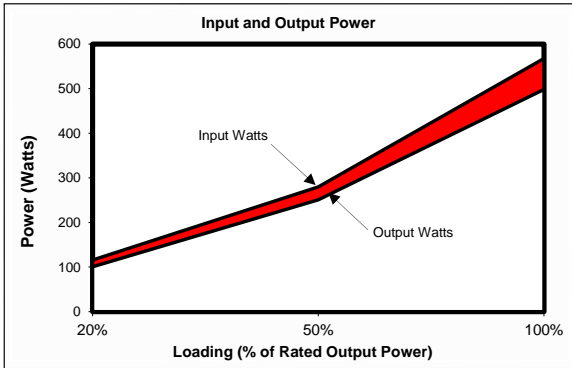


Input AC Current Waveform (ITHD = 17.47%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	4	Amps
Input Frequency	50	Hz
Rated Output Power	500	Watts

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

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		
0.35	0.79	27.75%	10%	62.95	12.02/3.41	11.6/0.02	3.39/0.97	5.11/0.97	5.14/0.21	50.52	80.25%
0.57	0.88	25.60%	20%	115.80	12/6.79	11.51/0.05	3.37/1.93	5.09/1.92	5.12/0.41	100.49	86.78%
1.29	0.94	17.47%	50%	279.70	11.98/17.02	11.56/0.12	3.33/4.83	5.03/4.79	5.07/1.03	250.77	89.66%
2.53	0.97	9.29%	100%	567.60	11.96/34	11.64/0.25	3.26/9.67	4.93/9.57	4.97/2.07	498.28	87.79%



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/>

