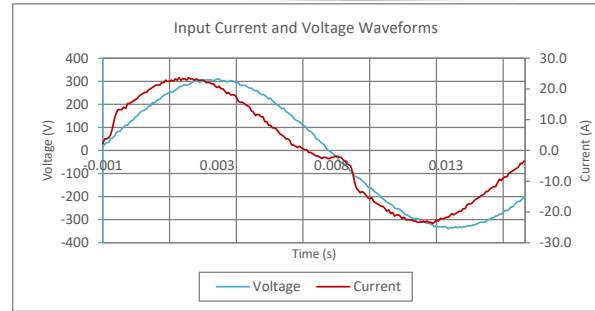


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	89.82%
AVERAGE EFFICIENCY :	88.33%
80 PLUS COMPLIANT:	YES



ID Number	EU-639.1
Manufacturer	SileniumPC
Model Number	SileniumPC Vero M3 Bronze 600W
Serial Number	2661912000003
Year	2020
Type	ATX12V,EPS12V
Test Date	1/21/20

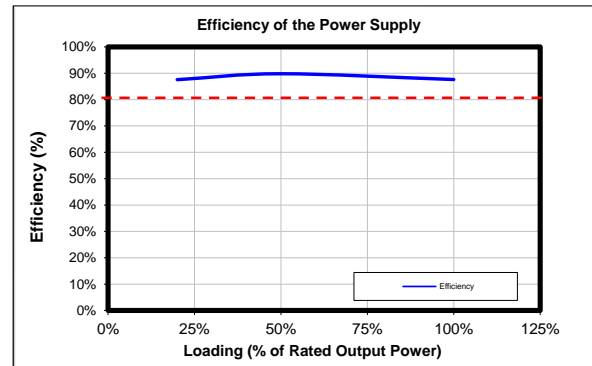
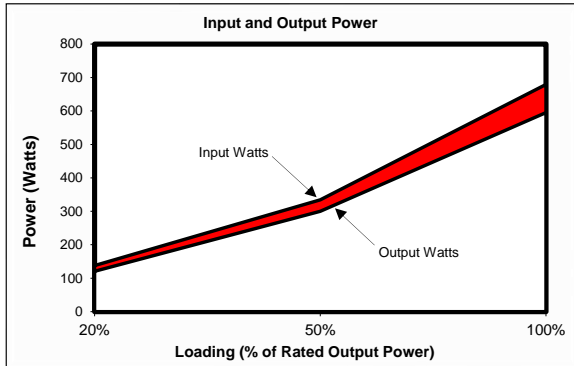


Input AC Current Waveform (ITHD = 14.76%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	600	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		
0.40	0.80	30.60%	10%	73.38	12/4.21	11.53/0.03	3.37/1	5.06/1	5.14/0.21	60.38	82.29%
0.68	0.88	25.43%	20%	137.74	11.99/8.43	11.5/0.05	3.35/2	5.04/1.99	5.12/0.43	120.60	87.56%
1.54	0.94	14.76%	50%	334.30	11.97/21.07	11.5/0.13	3.3/5	4.98/4.96	5.06/1.07	300.27	89.82%
3.02	0.98	8.48%	100%	679.20	11.92/42.03	11.55/0.26	3.21/10.01	4.88/9.9	4.96/2.14	595.12	87.62%



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/>

