

80 PLUS Verification and Testing Report

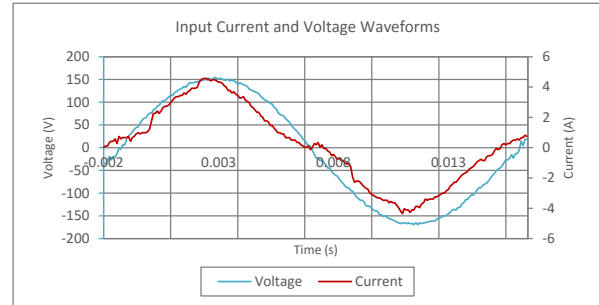
TYPICAL EFFICIENCY (50% Load):	86.47%
AVERAGE EFFICIENCY :	85.05%
80 PLUS COMPLIANT:	YES



ID Number	4995
Manufacturer	EVGA Corporation
Model Number	500 BV
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	7/12/17

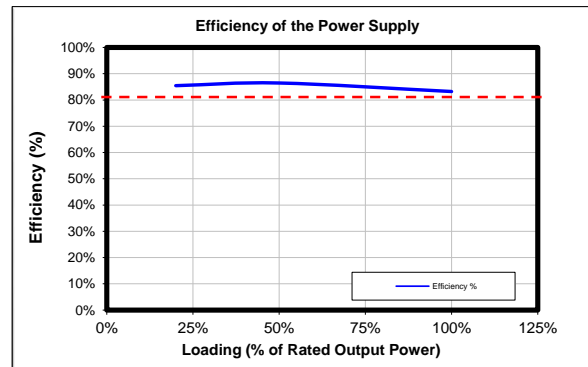
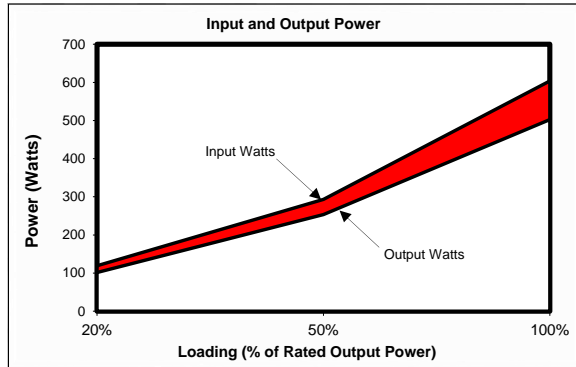
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8/4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 18.6%, 50% Load)

I _{RMS} A	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	0.87	26.96%	10%	62.79	12.09/3.23	12.09/0.02	3.36/1.17	5.07/1.17	5.04/0.24	50.73	80.80%
1.11	0.94	21.71%	20%	119.00	12.18/6.49	12.12/0.05	3.35/2.34	5.06/2.33	5.02/0.48	101.69	85.45%
2.63	0.97	18.60%	50%	293.10	12.15/16.25	12.23/0.12	3.31/5.85	5.04/5.79	4.98/1.21	253.45	86.47%
5.33	0.98	12.86%	100%	603.70	12.1/32.36	12.47/0.24	3.25/11.71	5.03/11.56	4.9/2.42	502.43	83.22%



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/>

