

80 PLUS Verification and Testing Report

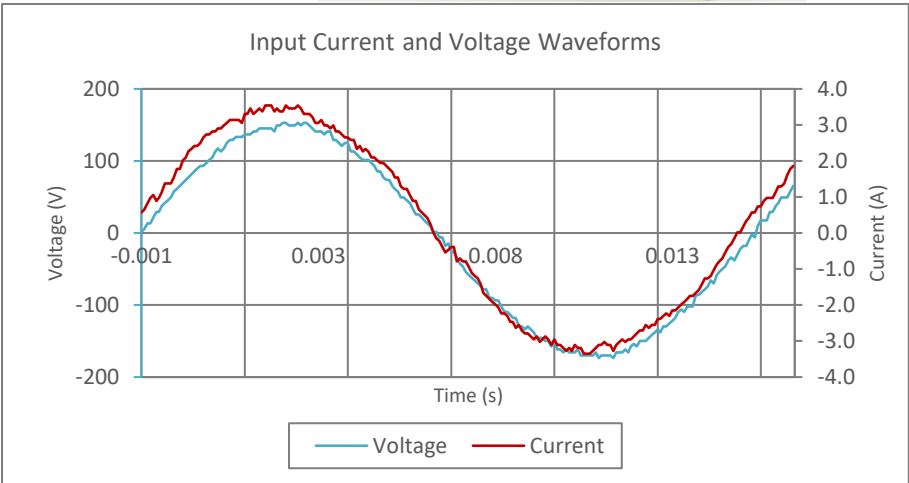
TYPICAL EFFICIENCY (50% Load):	91.49%
AVERAGE EFFICIENCY :	90.06%
80 PLUS COMPLIANT:	YES



ID Number	6380
Manufacturer	EVGA
Model Number	500 GE
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	2/5/21

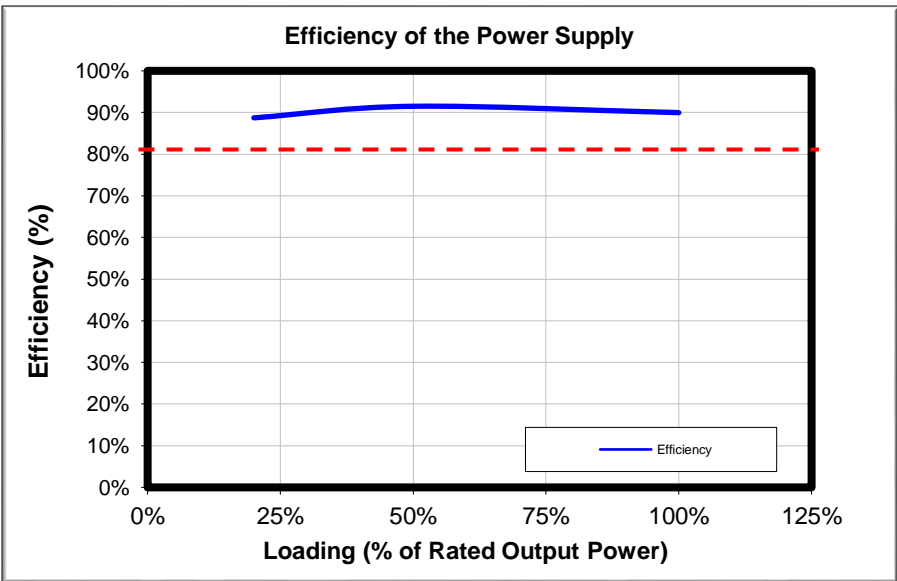
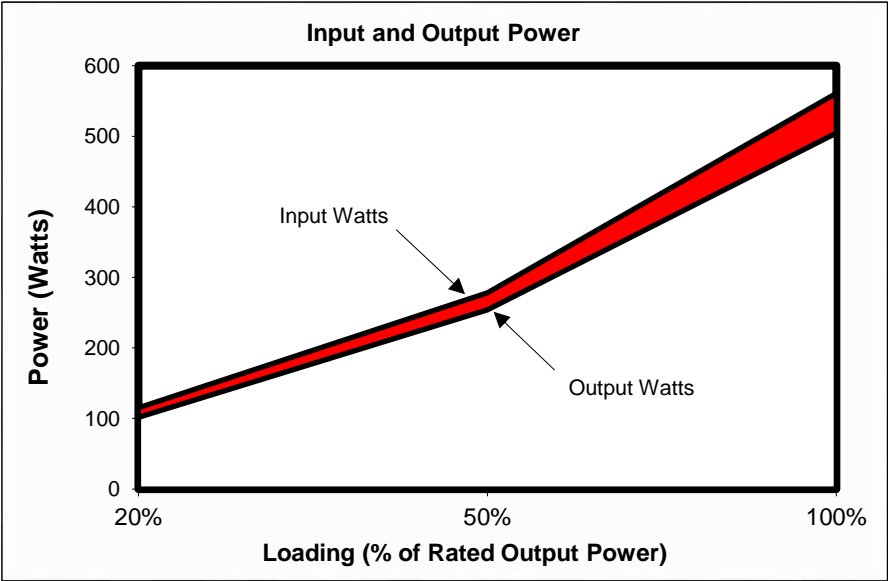
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7-3.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 4.17%, 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		
0.55	0.96	17.04%	10%	60.88	12.19/3.25	11.78/0.02	3.36/1.13	5.08/1.13	5.17/0.23	50.65	83.20%
1.02	0.98	14.50%	20%	114.97	12.19/6.56	11.8/0.05	3.36/2.26	5.08/2.25	5.16/0.47	101.99	88.71%
2.42	1.00	4.17%	50%	277.80	12.16/16.41	11.51/0.12	3.33/5.66	5.05/5.61	5.11/1.17	254.17	91.49%
4.89	1.00	6.99%	100%	560.80	12.09/32.77	11.58/0.23	3.3/11.33	5.02/11.21	5.05/2.35	504.51	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/>