

80 PLUS Verification and Testing Report

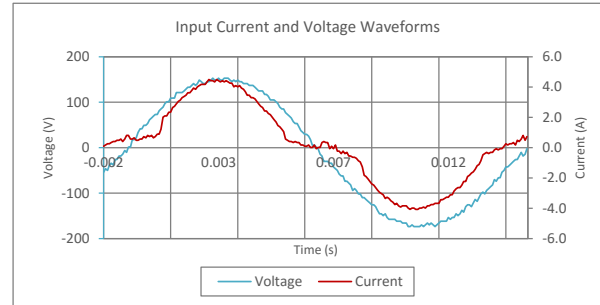
TYPICAL EFFICIENCY (50% Load):	86.75%
AVERAGE EFFICIENCY :	85.10%
80 PLUS COMPLIANT:	YES



ID Number	5266
Manufacturer	EVGA
Model Number	500 BR
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	3/20/18

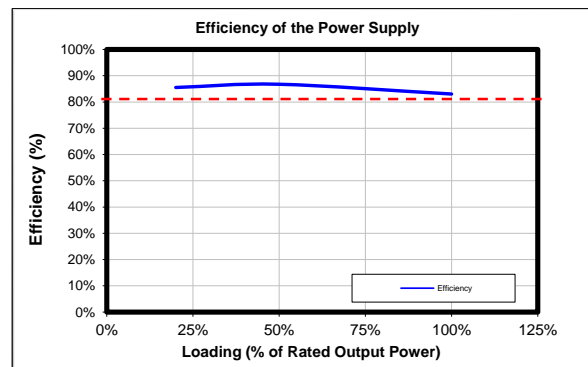
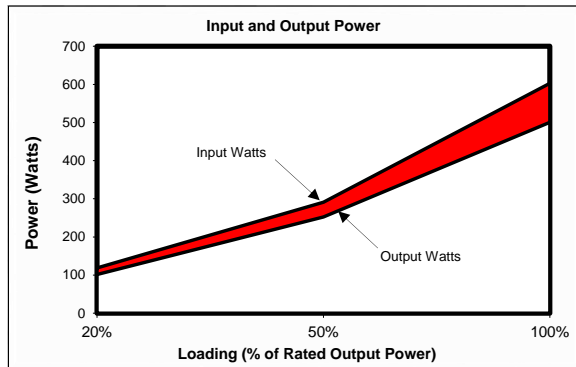
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (I_{THD} = 25.29%, 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		
0.60	0.92	24.64%	10%	62.91	12.12/3.28	11.99/0.02	3.36/1.13	5.11/1.13	5.02/0.23	50.69	80.57%
1.08	0.96	22.54%	20%	118.48	12.1/6.55	12.01/0.05	3.35/2.26	5.1/2.25	5.01/0.47	101.33	85.52%
2.63	0.96	25.29%	50%	290.80	12.06/16.39	12.05/0.12	3.33/5.66	5.06/5.61	4.98/1.17	252.27	86.75%
5.36	0.98	19.40%	100%	602.80	11.99/32.75	12.11/0.23	3.29/11.33	5/11.21	4.93/2.35	500.55	83.04%



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/>

