

80 PLUS Verification and Testing Report

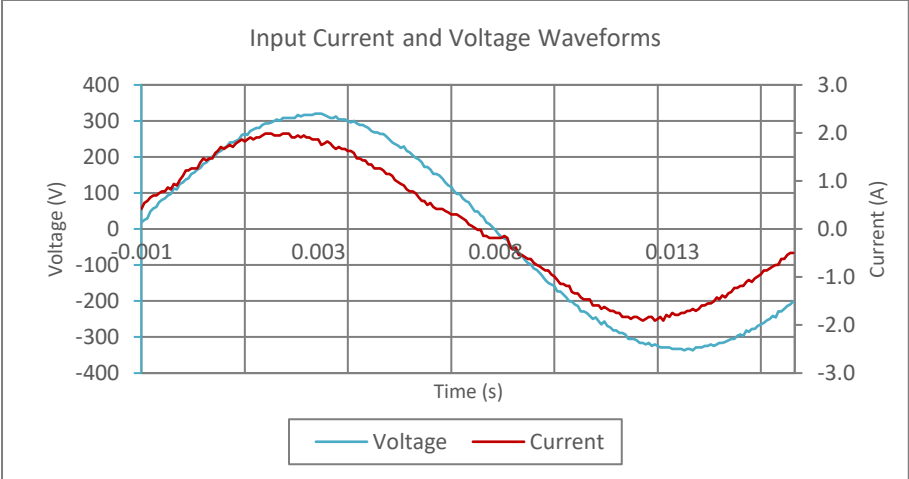
TYPICAL EFFICIENCY (50% Load):	87.39%
AVERAGE EFFICIENCY :	85.66%
80 PLUS COMPLIANT:	YES



ID Number	EU-465
Manufacturer	EVGA
Model Number	500 W2
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	12/5/18

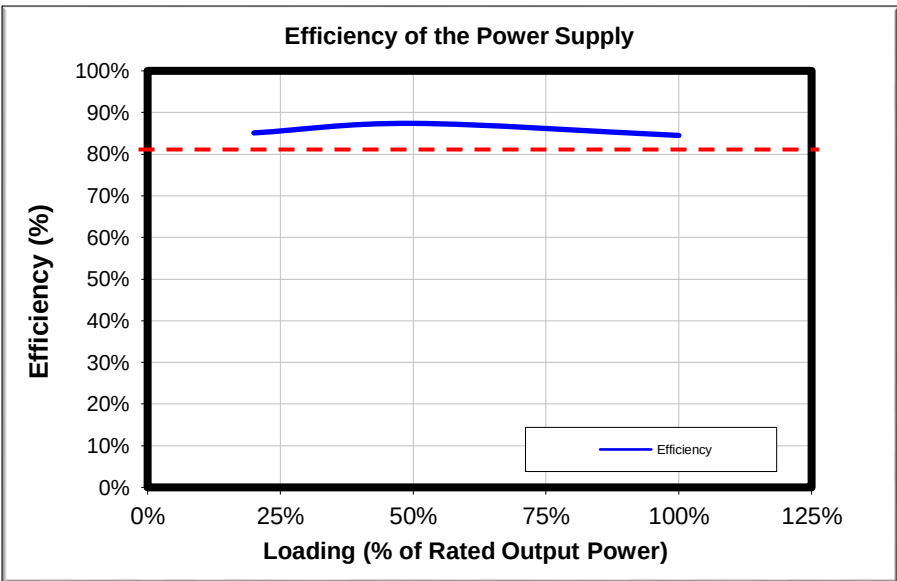
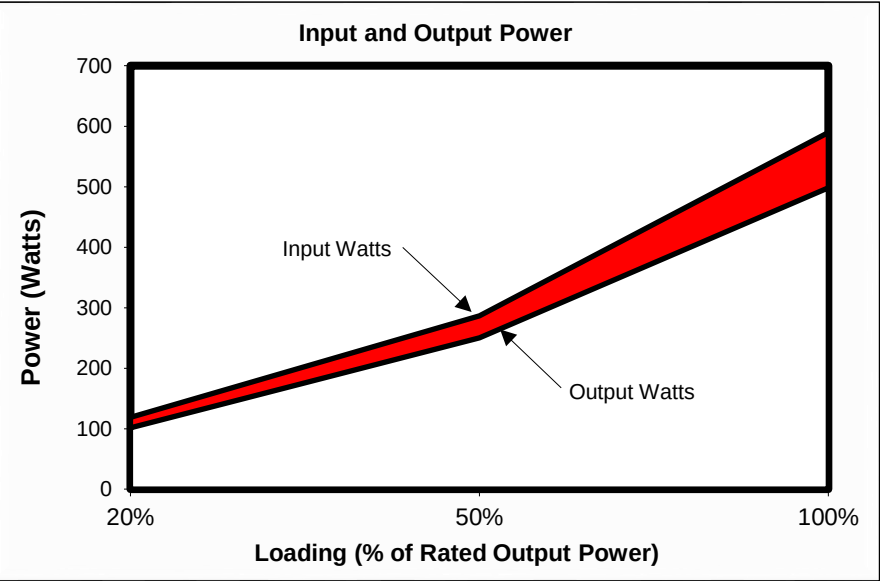
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	3.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 8.7%, 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		
0.42	0.66	58.73%	10%	63.80	12.03/3.18	11.82/0.02	3.38/1.25	5.16/1.25	5.15/0.24	50.39	78.98%
0.58	0.89	29.77%	20%	118.59	12/6.39	11.83/0.05	3.38/2.49	5.14/2.48	5.13/0.48	100.92	85.10%
1.28	0.98	8.70%	50%	286.60	11.93/15.98	11.88/0.12	3.36/6.23	5.09/6.18	5.09/1.19	250.45	87.39%
2.60	0.99	9.45%	100%	589.50	11.88/31.95	12.09/0.24	3.33/12.47	5.03/12.34	5.01/2.39	498.05	84.49%



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/>

