

80 PLUS Verification and Testing Report

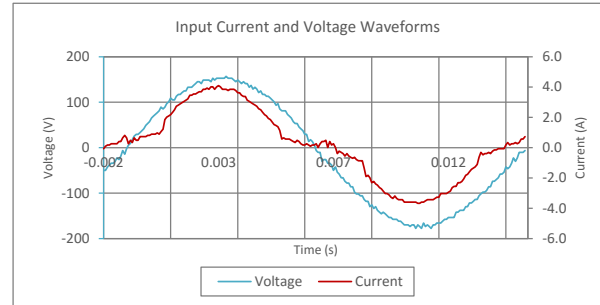
TYPICAL EFFICIENCY (50% Load):	86.60%
AVERAGE EFFICIENCY :	84.88%
80 PLUS COMPLIANT:	YES



ID Number	5265
Manufacturer	EVGA
Model Number	450 BR
Serial Number	N/A
Year	2018
Type	ATX12V
Test Date	3/19/18

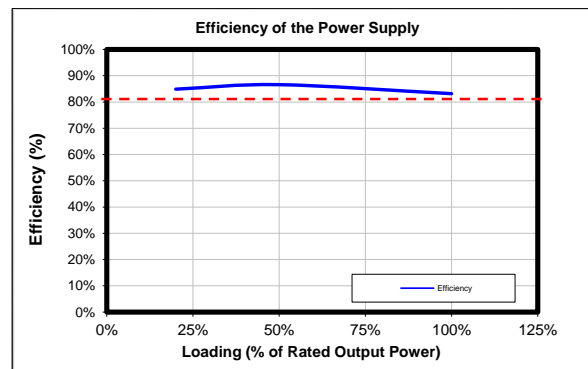
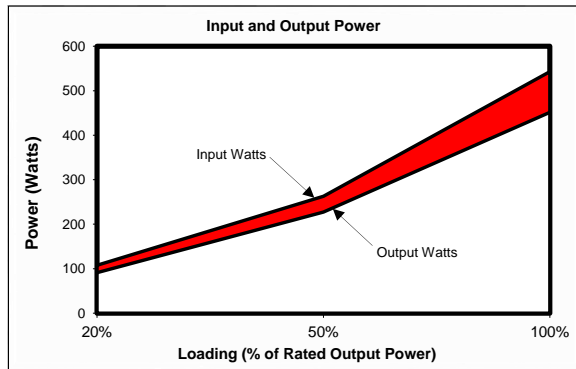
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (I_{THD} = 24.44%, 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		
0.54	0.94	9.14%	10%	57.56	12.15/2.88	12.05/0.02	3.35/1.11	5.09/1.11	5.02/0.23	45.72	79.44%
0.97	0.97	15.06%	20%	107.55	12.14/5.75	12.07/0.05	3.34/2.21	5.08/2.2	5.01/0.46	91.30	84.89%
2.37	0.96	24.44%	50%	262.60	12.1/14.4	12.15/0.11	3.32/5.53	5.04/5.48	4.98/1.15	227.41	86.60%
4.83	0.98	19.98%	100%	542.83	12.04/28.78	12.29/0.23	3.28/11.07	4.98/10.95	4.93/2.29	451.44	83.16%



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/>

