

80 PLUS Verification and Testing Report

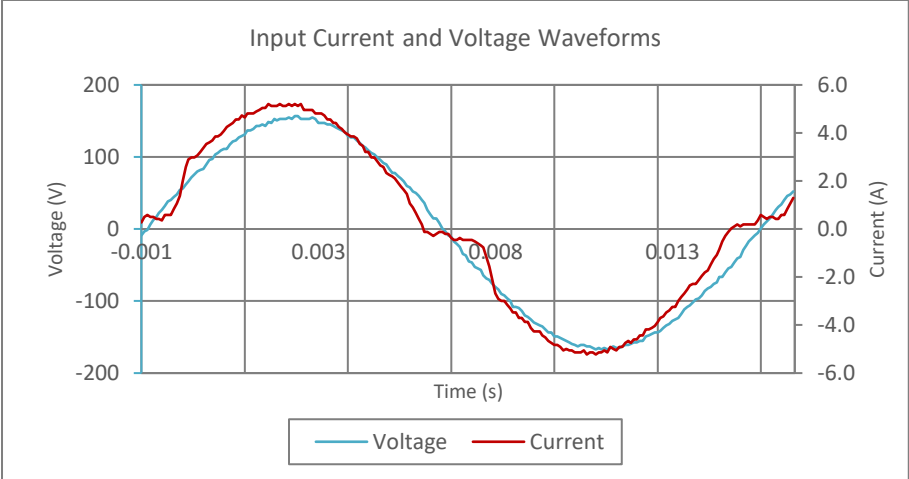
TYPICAL EFFICIENCY (50% Load):	88.01%
AVERAGE EFFICIENCY :	86.04%
80 PLUS COMPLIANT:	YES



ID Number	5647
Manufacturer	Cougar
Model Number	BXM700
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	9/6/19

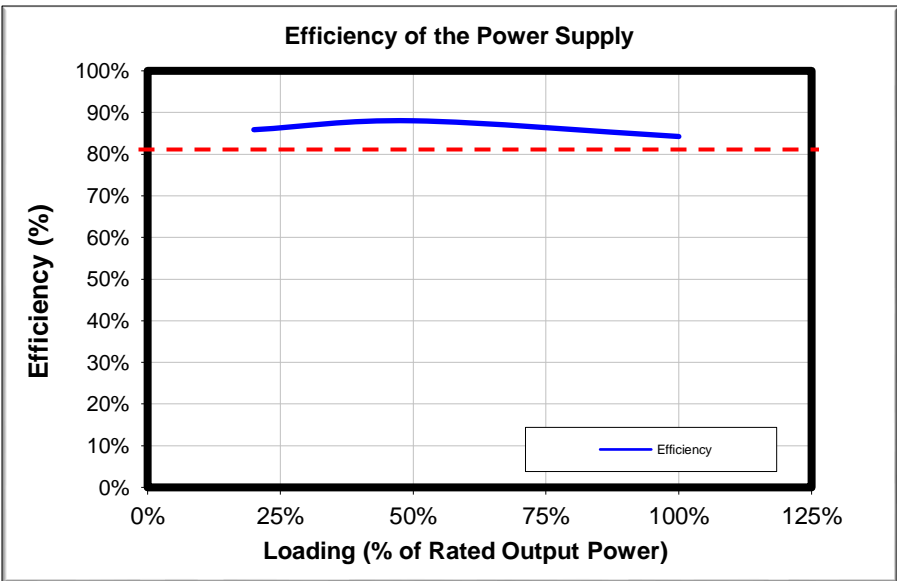
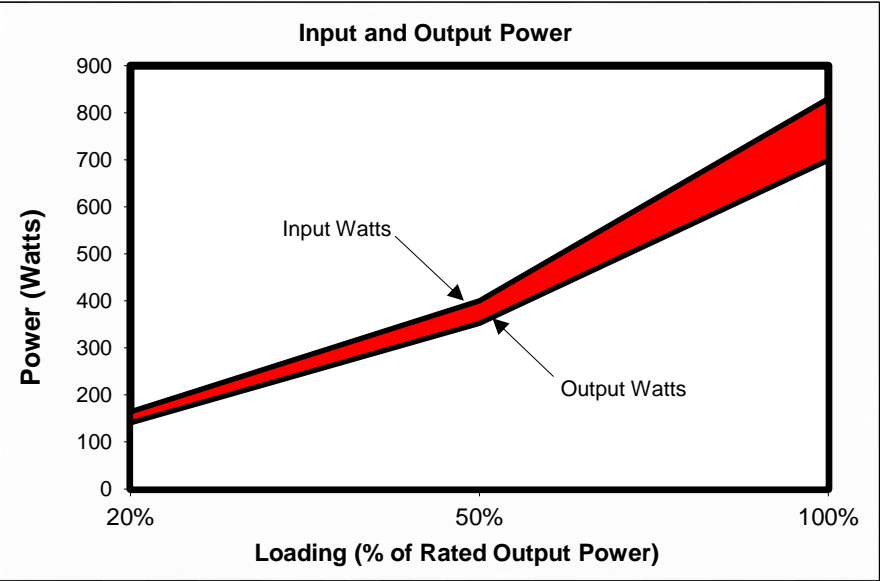
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12	Amps
Input Frequency	50/60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 11.84%, 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		
0.80	0.96	23.06%	10%	87.87	12.07/4.76	11.9/0.02	3.33/1.45	5.12/1.33	5.11/0.24	70.55	80.29%
1.49	0.96	25.85%	20%	164.30	12.06/9.52	11.89/0.05	3.32/2.9	5.11/2.63	5.1/0.49	141.08	85.86%
3.52	0.99	11.84%	50%	400.20	12.03/23.87	11.91/0.12	3.31/7.24	5.09/6.58	5.06/1.22	352.21	88.01%
7.27	0.99	8.54%	100%	830.00	11.95/47.72	12.02/0.24	3.27/14.49	5.05/13.14	5/2.45	699.15	84.23%



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/>

