

80 PLUS Verification and Testing Report

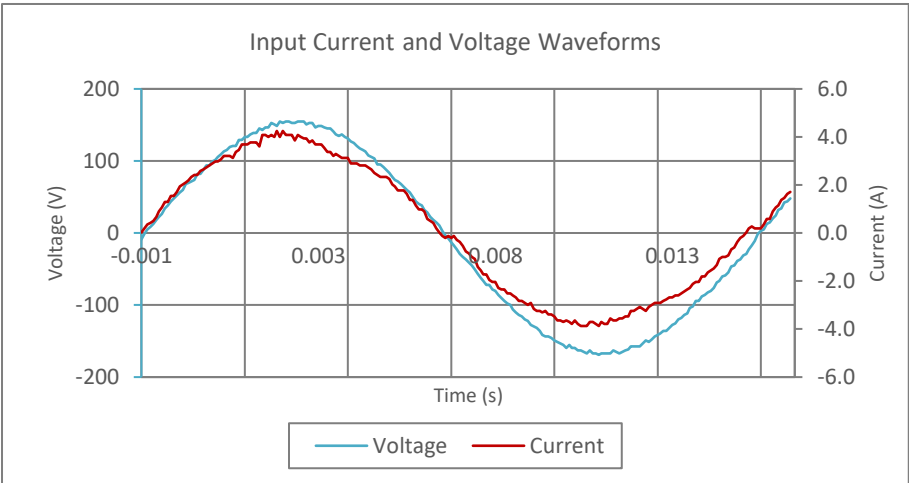
TYPICAL EFFICIENCY (50% Load):	90.75%
AVERAGE EFFICIENCY :	89.36%
80 PLUS COMPLIANT:	YES



ID Number	5703
Manufacturer	Cougar
Model Number	GEX-550
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	10/10/19

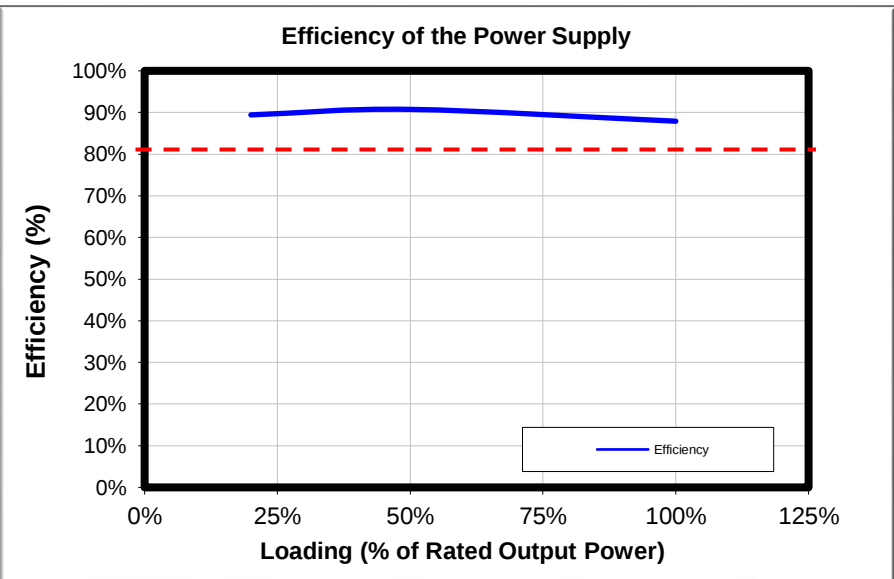
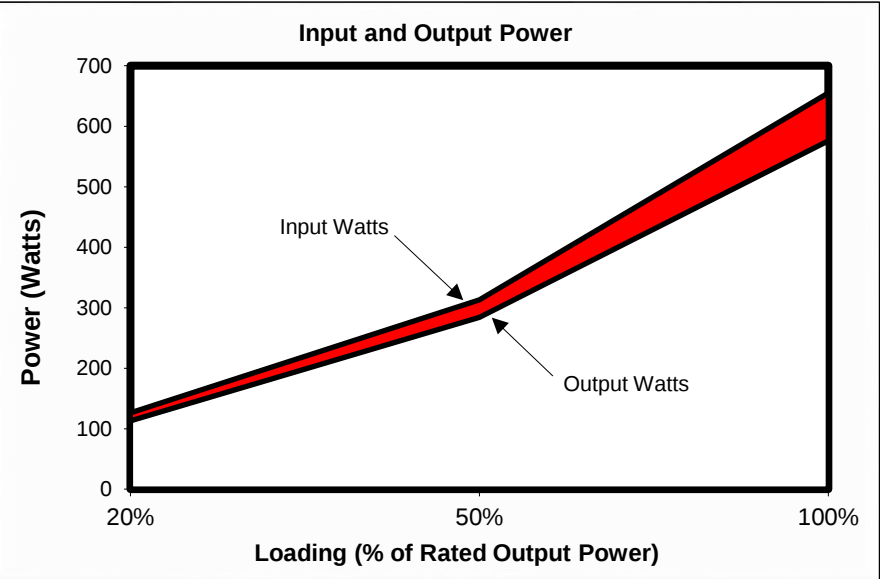
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 4.39%, 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		
0.61	0.95	13.88%	10%	66.03	12.21/3.77	12.11/0.02	3.38/0.93	5.09/1.03	5.1/0.25	55.92	84.69%
1.12	0.98	12.34%	20%	125.93	12.24/7.56	12.13/0.05	3.42/1.86	5.13/2.06	5.08/0.49	112.61	89.42%
2.73	1.00	4.39%	50%	313.10	12.31/18.95	12.31/0.12	3.52/4.65	5.23/5.12	5.03/1.23	284.14	90.75%
5.72	1.00	5.03%	100%	654.90	12.43/37.86	12.65/0.25	3.69/9.3	5.4/10.23	4.95/2.47	575.72	87.91%



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/>

