

80 PLUS Verification and Testing Report

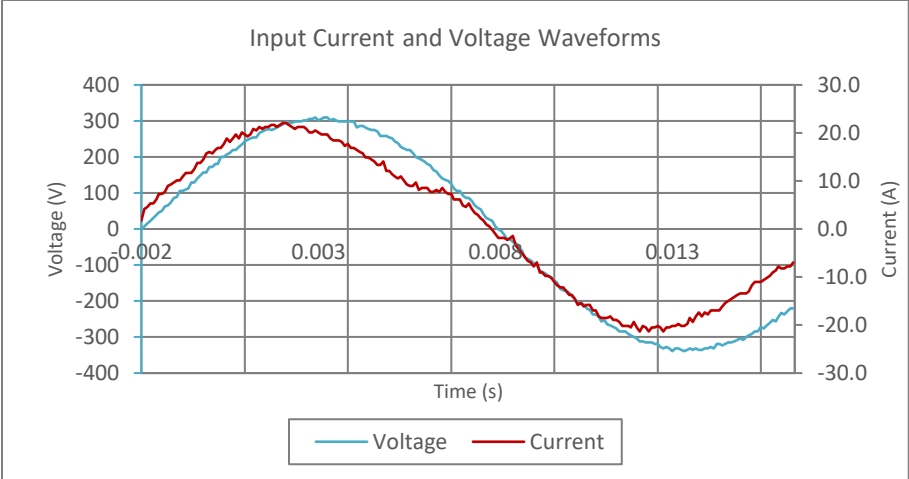
TYPICAL EFFICIENCY (50% Load):	86.75%
AVERAGE EFFICIENCY :	85.56%
80 PLUS COMPLIANT:	YES



ID Number	EU-671
Manufacturer	Cougar
Model Number	XTC550
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	5/22/20

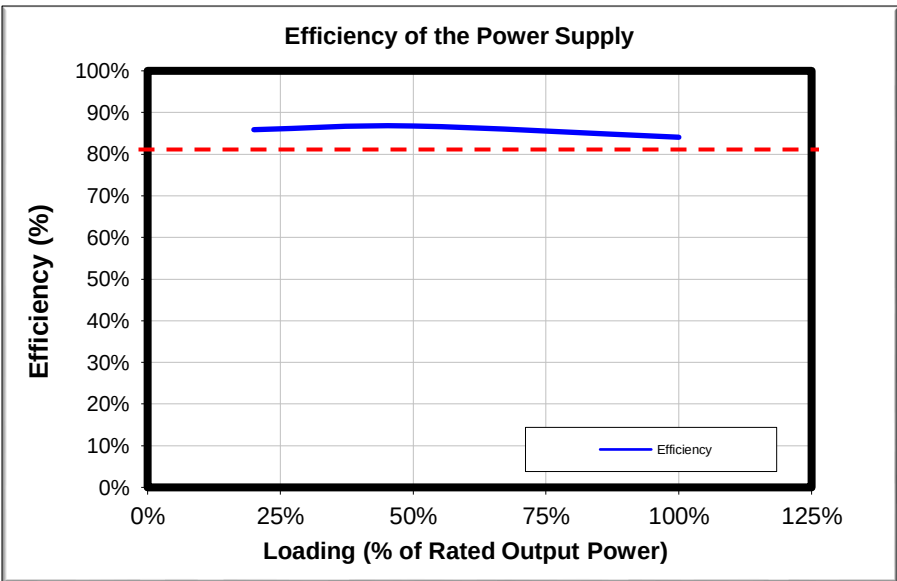
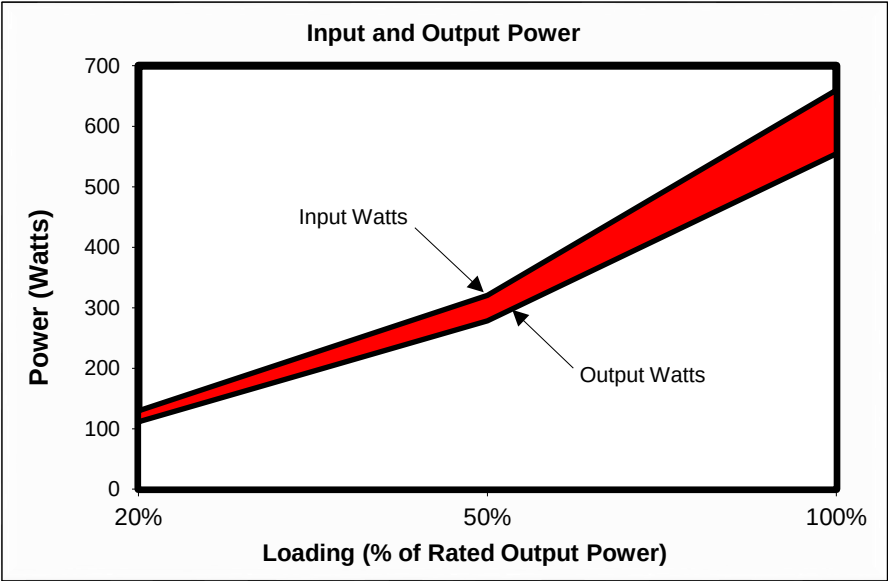
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	6.3	Amps
Input Frequency	50	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 10.87%, 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		
0.50	0.60	70.69%	10%	68.73	12.08/3.68	12/0.03	3.34/1.08	5.06/1.21	5.06/0.22	55.64	80.95%
0.68	0.83	48.53%	20%	129.61	12.08/7.36	12.06/0.05	3.34/2.15	5.15/2.41	5.05/0.44	111.30	85.87%
1.42	0.98	10.87%	50%	320.20	12.06/18.42	12.18/0.13	3.32/5.38	5.13/6	5.02/1.09	277.79	86.75%
2.92	0.98	11.74%	100%	659.60	12.08/36.77	12.37/0.26	3.3/10.78	5.06/11.98	4.95/2.18	554.46	84.06%



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/>

