

80 PLUS Verification and Testing Report

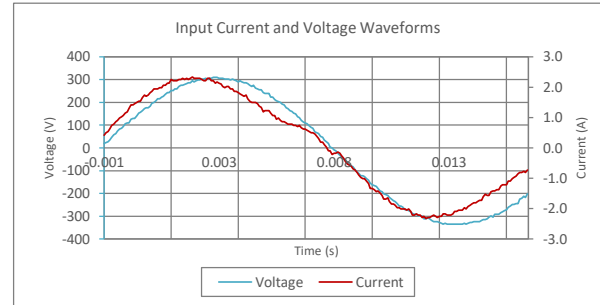
TYPICAL EFFICIENCY (50% Load):	86.82%
AVERAGE EFFICIENCY :	85.36%
80 PLUS COMPLIANT:	YES



ID Number	EU-550
Manufacturer	Cougar
Model Number	XTC600
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	7/15/19

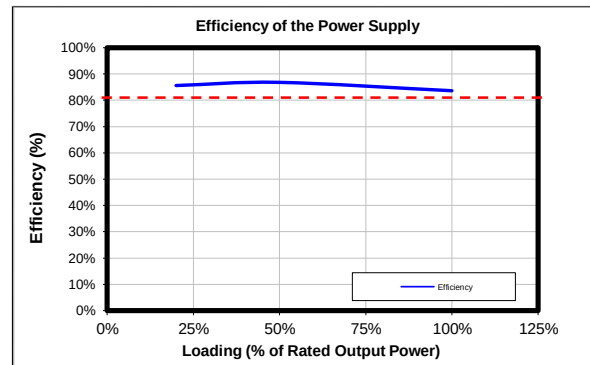
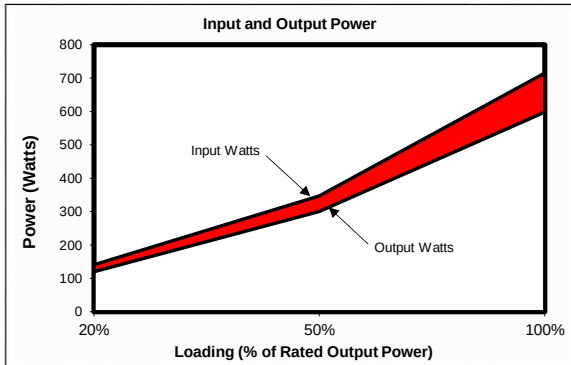
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	50	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 9.98%, 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		
0.52	0.62	70.41%	10%	74.21	11.91/4.01	11.88/0.02	3.32/1.2	5.13/1.33	5.05/0.24	59.98	80.83%
0.71	0.86	51.66%	20%	140.67	12/8	12/0.05	3.31/2.39	5.08/2.64	5.03/0.49	120.45	85.62%
1.54	0.98	9.98%	50%	346.50	12/20.05	12.14/0.12	3.28/5.99	5.03/6.58	4.97/1.22	300.84	86.82%
3.16	0.98	9.95%	100%	715.00	11.98/40.03	12.34/0.24	3.24/11.98	4.94/13.16	4.87/2.44	598.00	83.64%



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/>

