

# 80 PLUS Verification and Testing Report

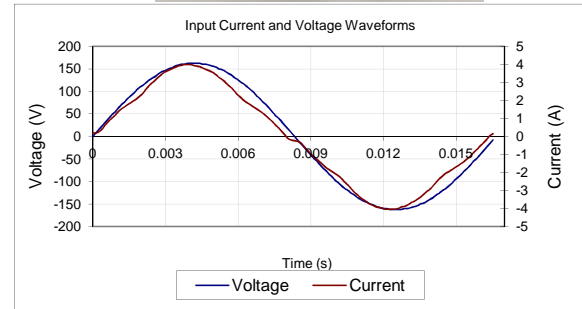
TYPICAL EFFICIENCY (50% Load):	91.10%
AVERAGE EFFICIENCY :	89.70%
80 PLUS COMPLIANT:	YES



Ecos ID #	4228
Manufacturer	Cyonic (Energy Power Enterprise Inc.)
Model Number	AU-550x
Serial Number	N/A
Year	2014
Type	ATX12V,EPS12V
Test Date	2/5/15

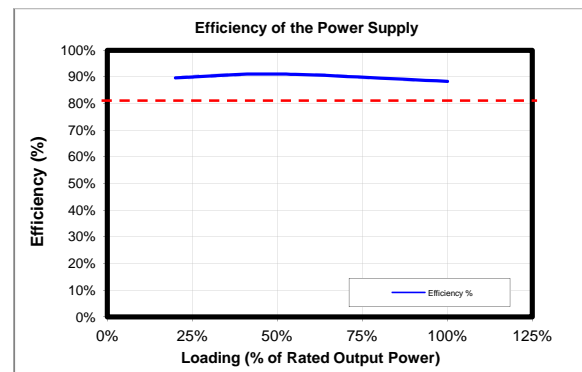
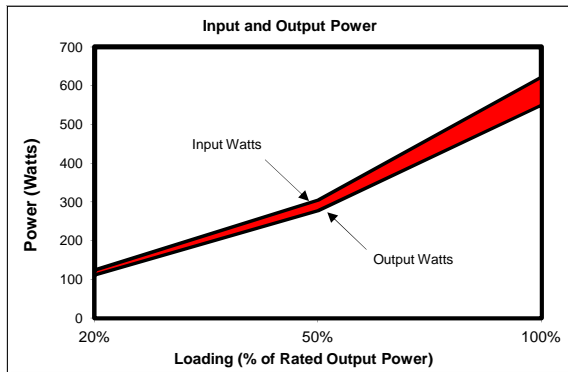
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 9.56%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
0.59	0.98	7.27%	10%	65.84	12.17/3.79	11.51/0.03	3.36/1.01	5.07/1.01	5.14/0.21	56.03	85.10%
1.09	0.99	6.45%	20%	124.18	12.15/7.55	11.54/0.05	3.35/2.02	5.06/2.01	5.06/0.42	111.34	89.66%
2.67	0.99	9.56%	50%	304.80	12.1/18.92	11.7/0.13	3.31/5.05	5.01/5.01	5.1/1.05	277.66	91.10%
5.45	0.99	11.88%	100%	622.30	12.03/37.72	12.13/0.25	3.26/10.08	4.95/10.02	5.05/2.1	549.71	88.34%



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/>

