

80 PLUS Verification and Testing Report

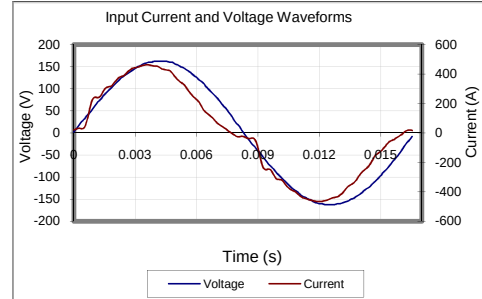
TYPICAL EFFICIENCY (50% Load):	86.74%
AVERAGE EFFICIENCY :	85.18%
80 PLUS COMPLIANT:	YES



Ecos ID #	2187
Manufacturer	AEROCOOL ADVANCED TECHNOLOGIES CORP.
Model Number	V12XT-600
Serial Number	H0903139480
Year	2010
Type	ATX12V
Test Date	8/23/2010

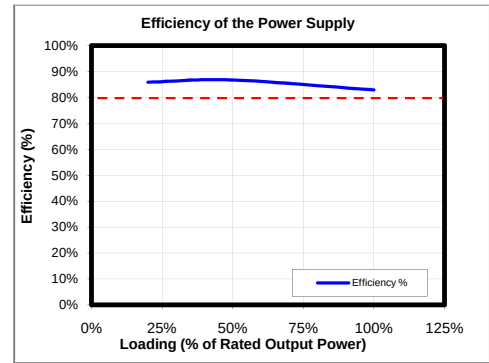
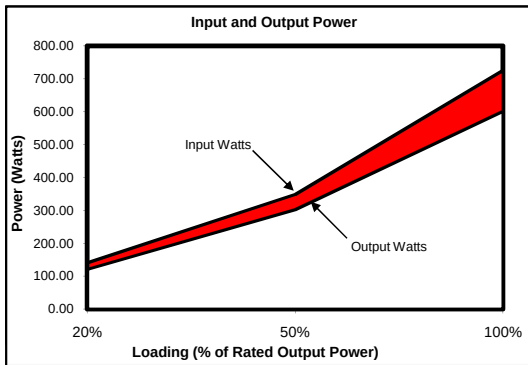
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	600	Watts

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



Input AC Current Waveform (ITHD = 13.73%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of 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		
1.25	0.98	12.90%	20%	Light	141.25	12.1/7.8	11.7/0.1	3.4/3.7	5/2.3	5.1/0.5	121.33	85.90%
3.12	0.97	13.73%	50%	Typical	349.00	12.1/19.5	11.7/0.1	3.3/9.3	5/5.8	5/1.2	302.74	86.74%
6.38	0.99	8.57%	100%	Full	726.50	12/38.9	11.9/0.3	3.3/18.5	4.9/11.6	5/2.3	602.34	82.91%



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/>

