

80 PLUS Verification and Testing Report

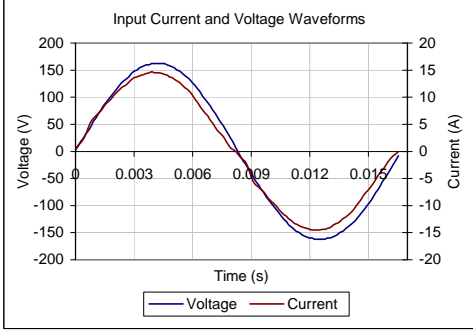
TYPICAL EFFICIENCY (50% Load):	87.69%
AVERAGE EFFICIENCY :	85.93%
80 PLUS COMPLIANT:	YES



Ecos ID #	1220
Manufacturer	AEROCOOL
Model Number	V12XT-1000
Serial Number	N/A
Year	2009
Type	ATX12V
Test Date	1/20/2009

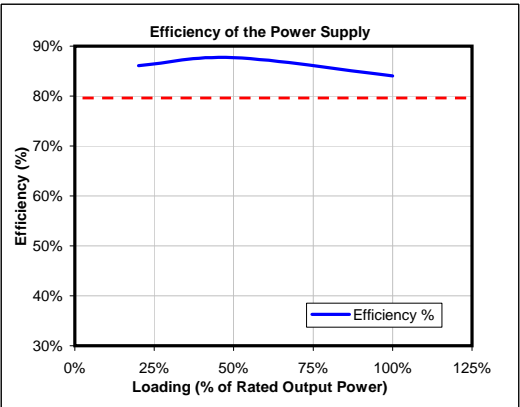
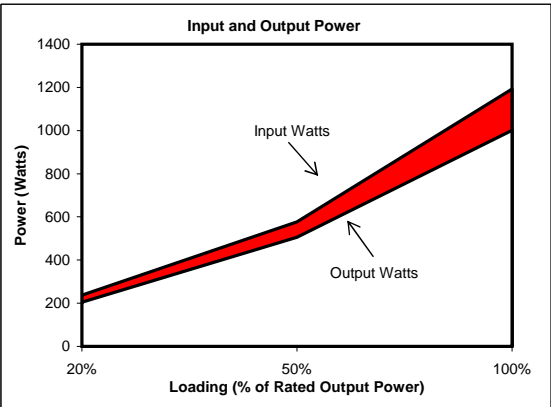
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15-10	Amps
Input Frequency	50/60	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 7.47%, 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		
2.15	0.96	15.4%	20%	Light	237	12.2/14.2	11.9/0.1	3.4/3.2	5.1/3.2	5.1/0.5	204	86.10%
5.06	0.99	7.5%	50%	Typical	577	12.1/35.4	11.9/0.3	3.4/8	5.1/7.9	5.1/1.3	506	87.69%
10.39	1.00	3.6%	100%	Full	1192	12/70.7	12/0.5	3.3/15.9	5/15.9	5/2.7	1002	84.01%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.