

# 80 PLUS Verification and Testing Report

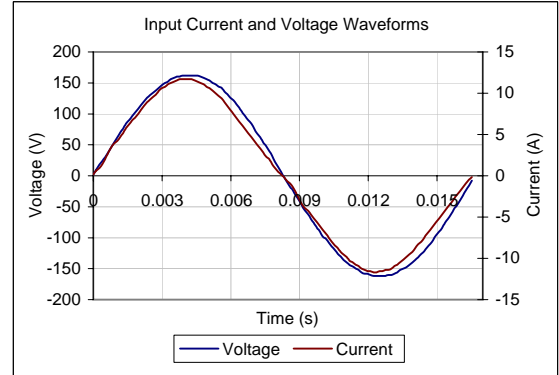


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.60%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.58%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	337.4
<b>Manufacturer</b>	AEROCOOL
<b>Model Number</b>	EN53099
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V & EPS12V
<b>Test Date</b>	1/14/2008

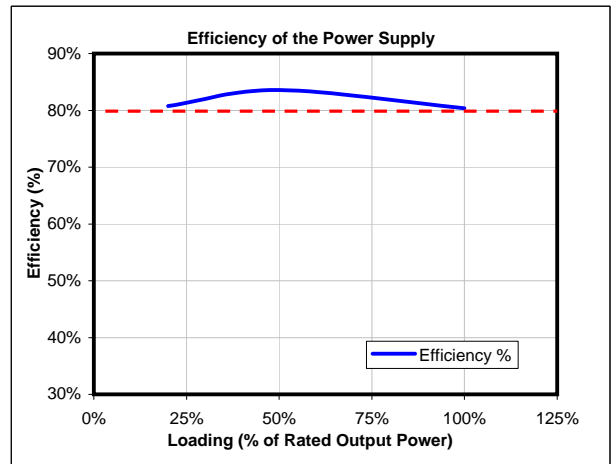
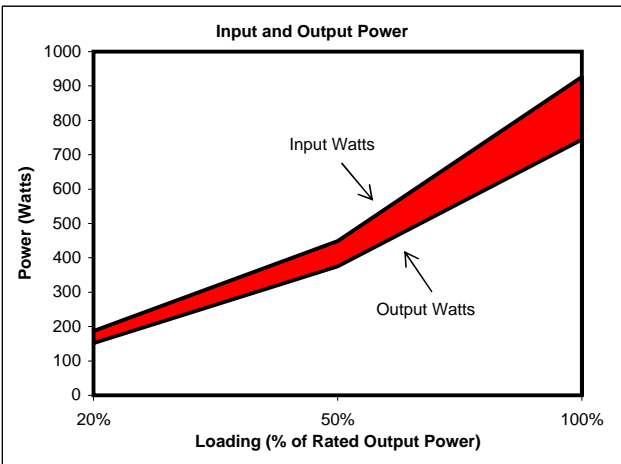
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>750</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.04%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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		
1.65	0.99	7.1%	20%	Light	187	12.1/9.7	12.2/0.2	3.3/3.6	5.1/3.4	4.9/0.6	151	80.78%
3.92	1.00	6.0%	50%	Typical	449	12/24.3	12.2/0.4	3.3/9.1	4.9/8.5	4.9/1.5	375	83.60%
8.07	1.00	5.4%	100%	Full	926	11.9/48.4	12.3/0.8	3.2/18.1	4.9/17	4.8/3	744	80.36%



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.