

## 80 PLUS Verification and Testing Report

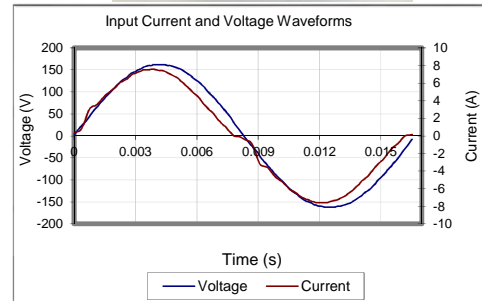
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>86.86%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>85.51%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	1122.2
<b>Manufacturer</b>	Aerocool Advanced Technologies Corp.
<b>Model Number</b>	Integrator 500W
<b>Serial Number</b>	H0809013917
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	11/14/2008

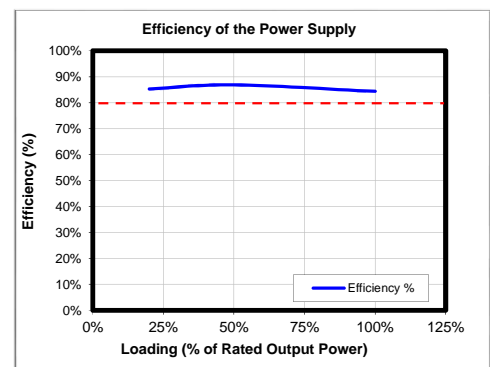
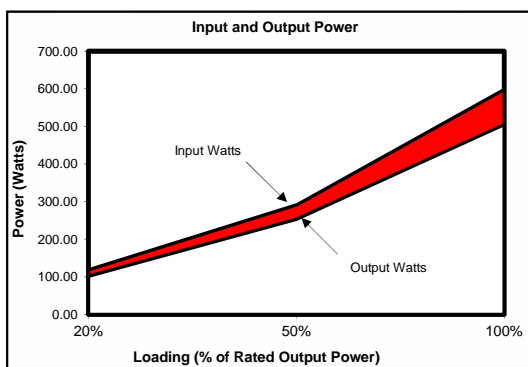
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 13.32%, 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
1.05	0.98	7.90%	20%	Light	118.33	12.1/6.4		11.6/0	3.3/3.2	5/2	5/0.4	100.95	85.31%
2.61	0.97	13.32%	50%	Typical	290.96	12.1/16		11.6/0.1	3.3/8	5/5	5/1.1	252.73	86.86%
5.26	0.99	7.64%	100%	Full	598.06	12.2/32		11.7/0.3	3.3/16	4.9/10	5/2.2	504.54	84.36%



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/>

