

80 PLUS Verification and Testing Report

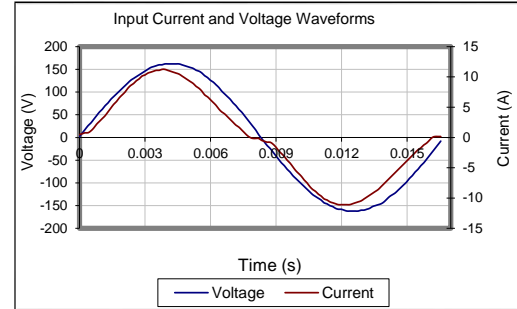
TYPICAL EFFICIENCY (50% Load):	86.03%
AVERAGE EFFICIENCY :	84.17%
80 PLUS COMPLIANT:	YES



ID #	653.8
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	KCAS PLUS 700W
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	5/21/2008

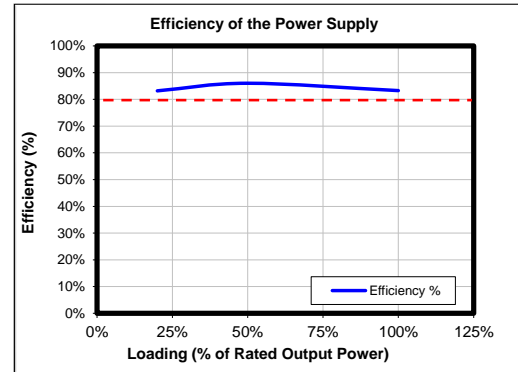
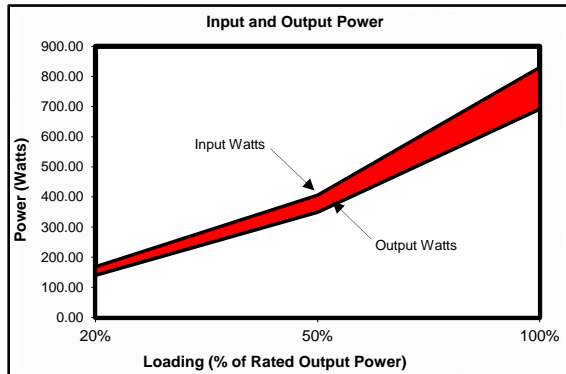
Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	9	Amps
Input Frequency	50-60	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 16.19%, 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		
1.48	0.99	12.28%	20%	Light	168.66	12/10.1	12/0	3.3/2	5.1/2	4.9/0.4	140.31	83.19%
3.59	0.98	16.19%	50%	Typical	405.84	11.9/25.3	12.1/0	3.2/5	5/5	4.9/1	349.16	86.03%
7.31	0.99	13.58%	100%	Full	829.70	11.9/50.6	12.1/0.1	3.2/10	5/10	4.8/2	691.03	83.29%



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/>

