80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.06%
AVERAGE EFFICIENCY :	84.54%
80 PLUS COMPLIANT:	YES

Ecos ID #	1171.1
Manufacturer	ANDERTEK INFORMATICS CO., LTD.
Model Number	ADK-A500
Serial Number	N/A
Year	2008
Type	ATX12V
Test Date	12/2/2008

Input Current and Voltage Waveforms
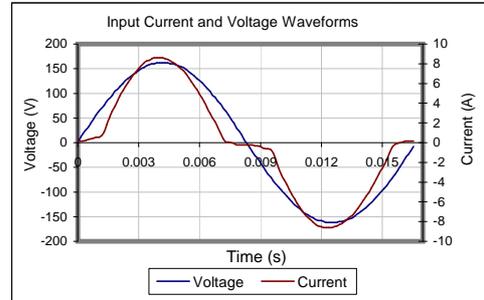
Input AC Current Waveform (ITHD = 31.44%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-230	Volts
Input Current	10/6	Amps
Input Frequency	50/60	Hz
Rated Output Power	**500**	**Watts**

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

I$_{RMS}$ A	PF	I$_{THD}$ (%)	Load (%)	Fraction of Load	Input Watts	12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB	Output Watts	Efficiency %
1.09	0.96	25.75%	20%	Light	120.46	12.2/6.8	11.3/0.1	3.3/2.4	5.1/1.6	5.1/0.5	101.99	84.66%
2.70	0.95	31.44%	50%	Typical	294.32	12.2/16.8	11.3/0.2	3.3/5.9	5.1/4	5.1/1.2	253.28	86.06%
5.46	0.97	24.96%	100%	Full	607.35	12.1/33.6	11.4/0.5	3.3/11.9	5.1/7.9	5/2.5	503.44	82.89%

DC Terminal Voltage (V)/ DC Load Current (A)

Input and Output Power

Efficiency of the Power Supply

PLUG LOAD solutions
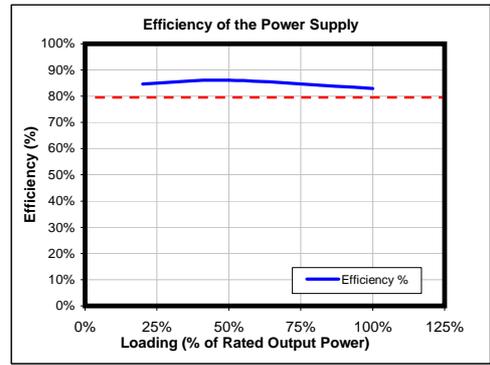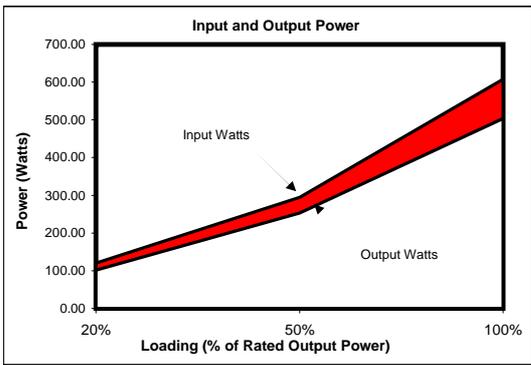
These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. *http://www.80plus.org/*

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