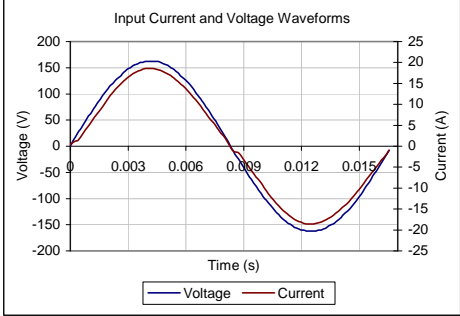


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.24%
AVERAGE EFFICIENCY :	84.18%
80 PLUS COMPLIANT:	YES



Ecos ID #	539.1
Manufacturer	KINGWIN
Model Number	ABT-1220MA1S
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	2/19/2008

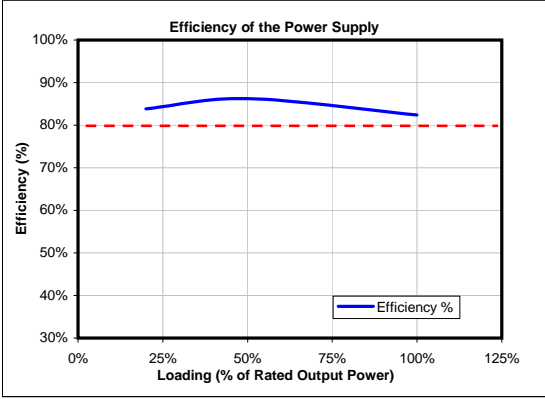
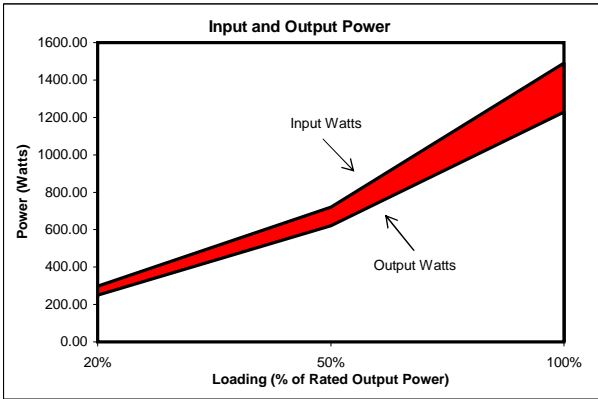


Input AC Current Waveform (ITHD = 5.76%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	20	Amps
Input Frequency	50/60	Hz
Rated Output Power	1200	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	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
2.60	0.9983	3.44%	20%	Light	298.14	12.5/16.9	12.5/0.1	3.4/3.3	5.2/4.2	5.2/1	250.02	83.86%
6.27	0.9982	5.76%	50%	Typical	719.73	12.4/42.3	12.5/0.2	3.3/8.3	5.2/10.4	5.1/2.4	620.71	86.24%
12.98	0.9958	4.45%	100%	Full	1490.90	12.3/84.5	12.3/0.5	3.3/16.6	5.1/20.8	5/4.8	1229.11	82.44%



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/>

