

80 PLUS Verification and Testing Report

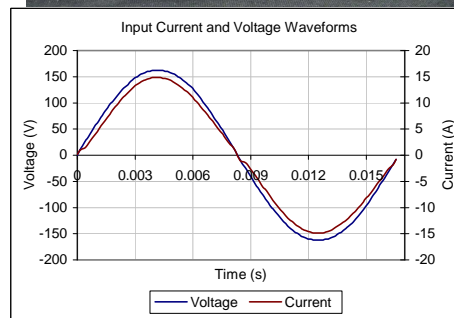
TYPICAL EFFICIENCY (50% Load):	86.65%
AVERAGE EFFICIENCY :	84.88%
80 PLUS COMPLIANT:	YES



Ecos ID #	1230.1
Manufacturer	KINGWIN
Model Number	LZ-1000
Serial Number	SO812012001
Year	2009
Type	ATX12V
Test Date	1/22/2009

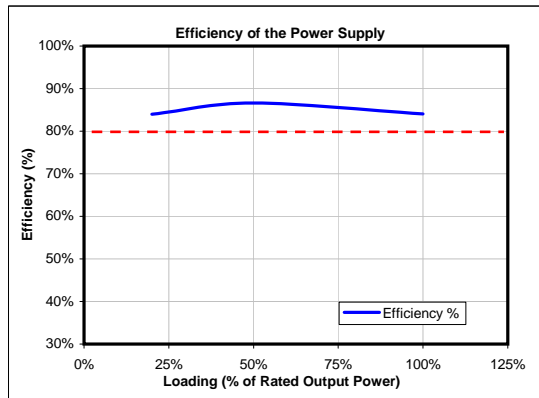
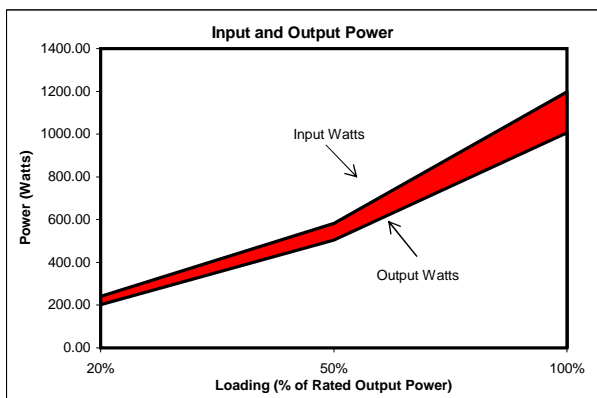
Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15	Amps
Input Frequency	60/50	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 6.12%, 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		
2.11	0.9965	9.20%	20%	Light	241.50	12.1/13.9	11.8/0.1	3.3/3.1	5.1/3.8	5/0.9	202.80	83.97%
5.07	0.9981	6.12%	50%	Typical	582.50	12.1/34.5	11.8/0.2	3.3/7.6	5.1/9.5	5/2.2	504.75	86.65%
10.42	0.9985	4.14%	100%	Full	1197.70	12.1/69	11.7/0.4	3.3/15.2	5.1/19.1	5/4.3	1006.35	84.02%



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/>

