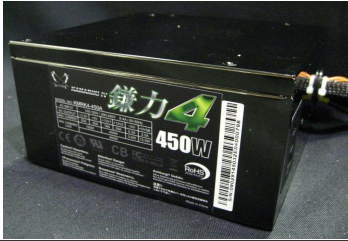
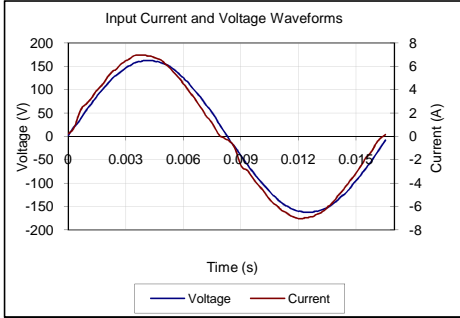


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.78%
AVERAGE EFFICIENCY :	83.00%
80 PLUS COMPLIANT:	YES



Ecos ID #	1356
Manufacturer	SCYTHE
Model Number	KMRK4(-P)-450A
Serial Number	09029145032E04000798
Year	2009
Type	ATX12V
Test Date	3/17/2009

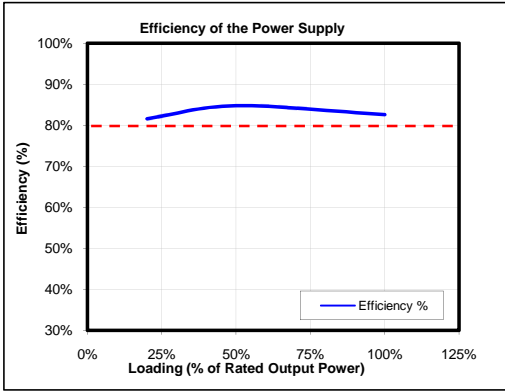
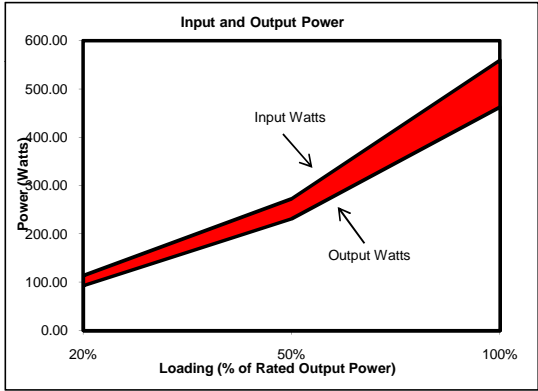


Input AC Current Waveform (ITHD = 8.67%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100/240	Volts
Input Current	8-4	Amps
Input Frequency	60/50	Hz
Rated Output Power	450	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		
1.03	0.9652	18.90%	20%	Light	113.92	12.3/5.4	12/0	3.4/2.9	5.1/2.9	5.2/0.4	92.97	81.61%
2.41	0.9837	8.67%	50%	Typical	272.93	12.4/13.3	12.1/0.1	3.4/7.2	5/7.2	5.1/1	231.39	84.78%
4.89	0.9950	4.68%	100%	Full	559.90	12.5/26.6	12.3/0.2	3.4/14.3	4.9/14.3	5/2	462.59	82.62%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by Electric Power Research Institute, Knoxville, TN.