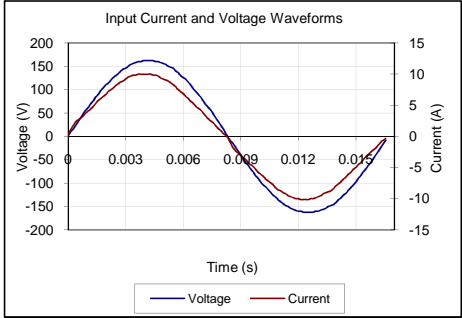


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.89%
AVERAGE EFFICIENCY :	82.77%
80 PLUS COMPLIANT:	YES



Ecos ID #	1358
Manufacturer	SCYTHE
Model Number	KMRK4(-P)-650A
Serial Number	09039165032E03001009
Year	2009
Type	ATX12V
Test Date	3/17/2009

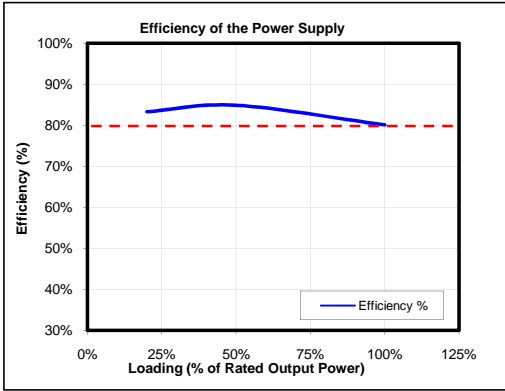
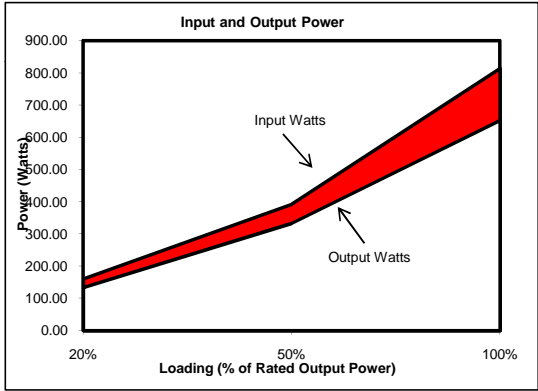


Input AC Current Waveform (ITHD = 3.88%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100/240	Volts
Input Current	10-6	Amps
Input Frequency	60/50	Hz
Rated Output Power	650	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		
1.42	0.9802	5.60%	20%	Light	160.45	12.3/8.4	12.1/0	3.4/3.3	5.1/3.3	5.1/0.5	133.65	83.30%
3.42	0.9952	3.88%	50%	Typical	392.10	12.3/20.9	12.2/0.1	3.4/8.2	5.1/8.1	5.1/1.1	332.84	84.89%
7.09	0.9981	3.39%	100%	Full	814.20	12.2/41	12.4/0.3	3.4/16.3	5/16.3	5/2.3	652.40	80.13%



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.