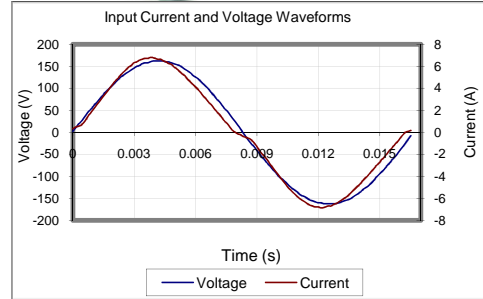


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.64%
AVERAGE EFFICIENCY :	89.31%
80 PLUS COMPLIANT:	YES



Ecos ID #	2073
Manufacturer	SUPER FLOWER COMPUTER INC.
Model Number	SF-450P14XE
Serial Number	S1005008005
Year	2010
Type	EPS12V
Test Date	5/18/2010

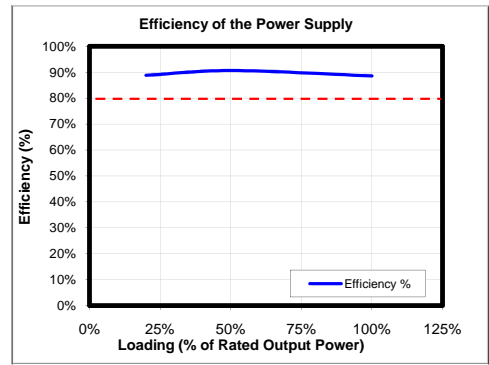
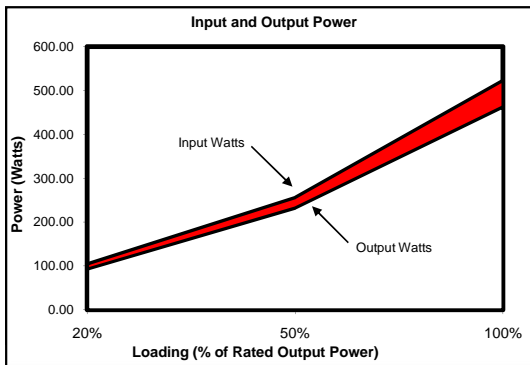


Input AC Current Waveform (ITHD = 12.91%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	10	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.)					
0.94	0.97	16.83%	20%	Light	104.98	12.3/0.1	3.4/1.7	5.2/1.7	5.2/0.5	93.18	88.76%
2.26	0.99	12.91%	50%	Typical	256.40	12.2/0.2	3.4/4.2	5.2/4.2	5.1/1.2	232.41	90.64%
4.59	0.99	10.19%	100%	Full	523.50	12.4/30.3	3.4/8.4	5.1/8.3	5.1/2.5	463.42	88.52%



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/>

