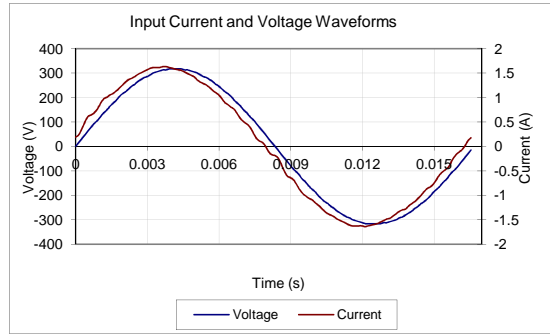


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.44%
AVERAGE EFFICIENCY :	93.31%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-419.1
Manufacturer	Super Micro Computer, Inc.
Model Number	PWS-501P-1R
Serial Number	N/A
Year	2012
Type	1U
Test Date	4/24/2012



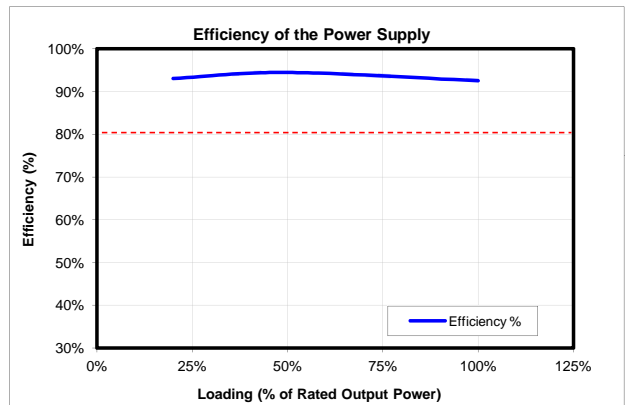
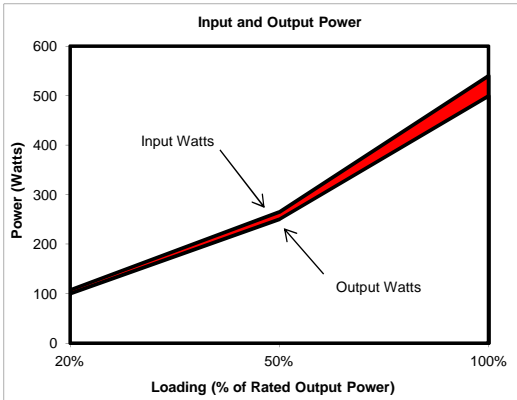
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6.1-2.6	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.

Input AC Current Waveform (ITHD = 3.65%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	5Vsb		
0.36	0.68	9.71	10%	Low	57	1.08	12.07/4	5.12/0.42	50	88.23%
0.59	0.79	6.19	20%	Light	108	1.20	12.02/8.02	5.12/0.77	100	93.01%
1.28	0.90	3.65	50%	Typical	265	1.20	11.99/20.06	5.1/1.92	250	94.44%
2.48	0.95	2.36	100%	Full	541	1.68	11.99/40.07	5.07/3.85	500	92.47%

* Fan power is not included in the efficiency calculations



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/>

