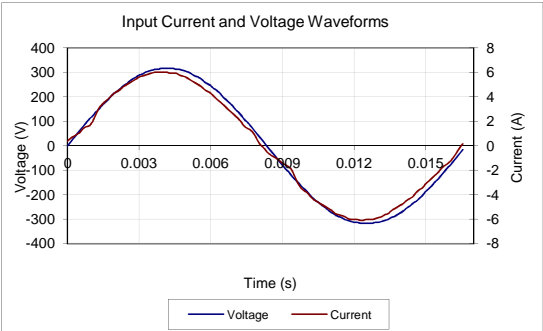


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	95.28%
AVERAGE EFFICIENCY :	94.15%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-546.1
Manufacturer	Super Micro Computer, Inc.
Model Number	PWS-2K02F-1R
Serial Number	N/A
Year	2013
Type	1U
Test Date	06/04/13



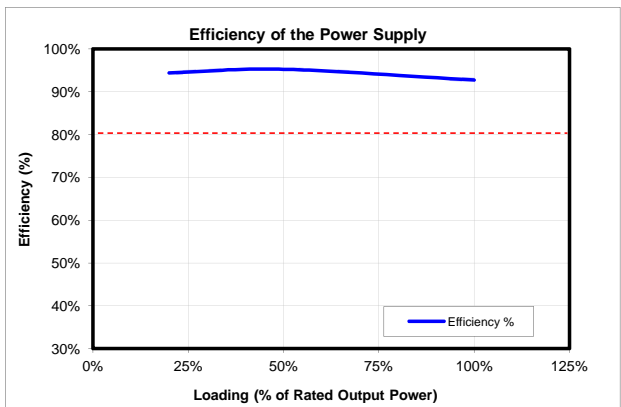
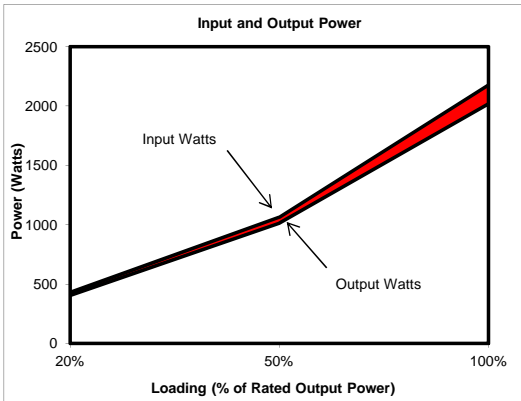
Input AC Current Waveform (ITHD = 4.29%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-140 / 180-240	Volts
Input Current	16-12 / 12.5-9.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	2,000	Watts

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

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		
1.08	0.89	11.41	10%	Low	220	1.20	12.17/16.53	4.93/0.4	203	92.18%
1.97	0.95	7.18	20%	Light	430	1.20	12.15/33.08	4.92/0.8	406	94.42%
4.68	0.99	4.29	50%	Typical	1064	2.52	12.15/82.62	4.9/1.99	1013	95.28%
9.51	1.00	2.32	100%	Full	2177	10.20	12.1/165.29	4.86/3.98	2019	92.75%

* 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/>

