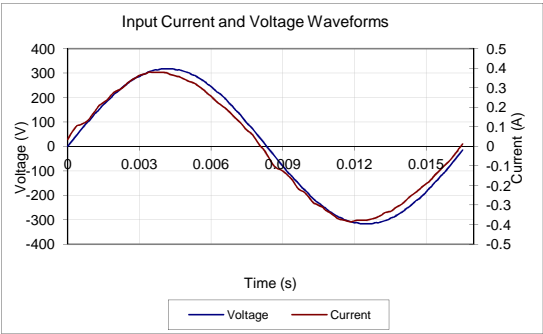


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.12%
AVERAGE EFFICIENCY :	95.22%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-496
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-1K29P-1R
Serial Number	N/A
Year	2012
Type	1U
Test Date	11/29/12



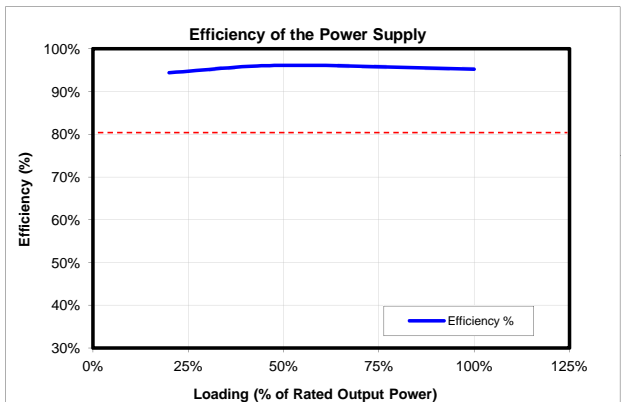
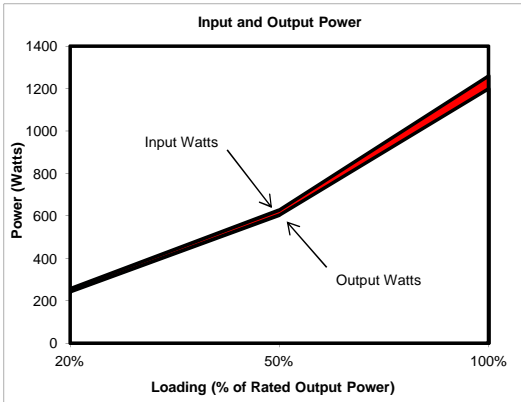
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	8-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,200	Watts

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

Input AC Current Waveform (ITHD = 2.8%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency %
							12V	12Vsb		
0.62	0.91	6.77	10%	Low	129	1.08	12.13/9.73	12.13/0.1	119	92.46%
1.15	0.97	4.13	20%	Light	257	1.92	12.11/19.84	12.1/0.2	243	94.35%
2.74	1.00	2.80	50%	Typical	628	1.80	12.05/49.59	12.03/0.5	604	96.12%
5.49	1.00	2.59	100%	Full	1261	2.40	11.98/99.19	11.92/1	1200	95.20%

\* 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/>

