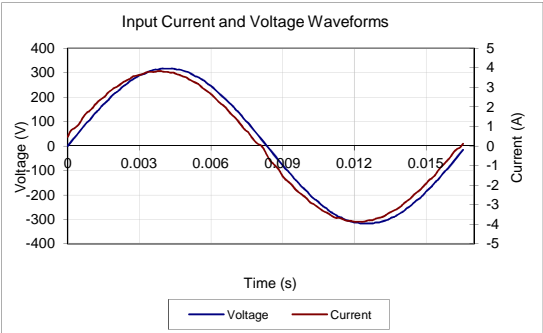


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.01%
AVERAGE EFFICIENCY :	94.98%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-788.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-1K02A-1R
Serial Number	N/A
Year	2014
Type	1U
Test Date	07/23/14



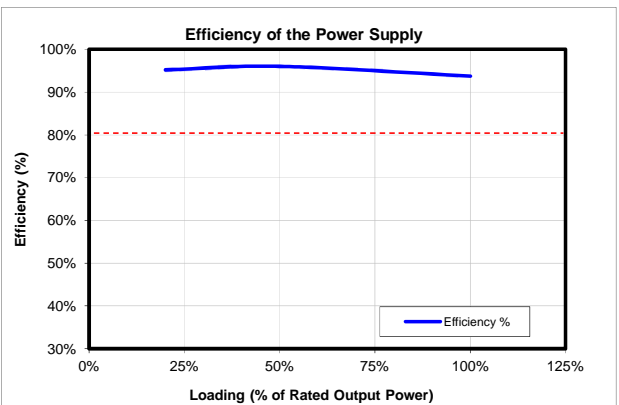
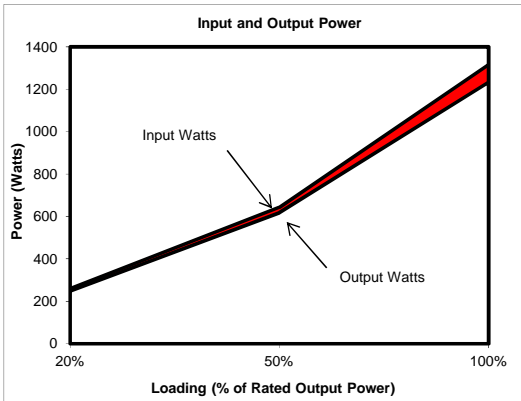
Rated Specifications	Value	Units
Input Voltage	100-140 / 200-240	Volts
Input Current	9.8-7 / 7.5-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,200	Watts

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

Input AC Current Waveform (ITHD = 1.884%, 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	12Vsb		
0.67	0.89	10.64	10%	Low	137	1.92	12.43/9.83	12.43/0.21	125	90.70%
1.18	0.96	8.14	20%	Light	260	1.92	12.37/19.63	12.37/0.41	248	95.20%
2.82	0.99	1.88	50%	Typical	644	2.04	12.34/49.1	12.33/1.02	618	96.01%
0.57	1.00	1.52	100%	Full	1316	2.54	12.31/98.15	12.3/2.05	1234	93.74%

* 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/>

