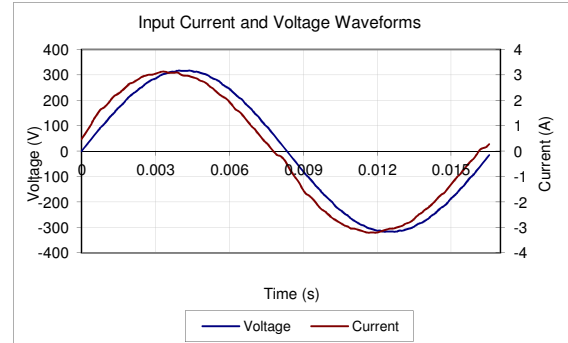


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.19%
AVERAGE EFFICIENCY :	92.89%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-446.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-982P-1R
Serial Number	N/A
Year	2012
Type	1U
Test Date	6/8/2012



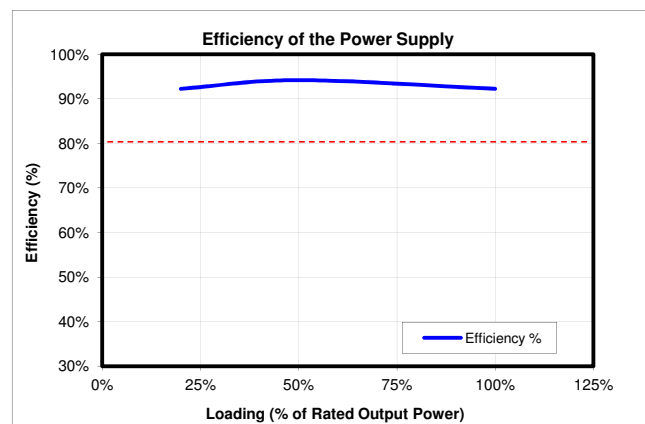
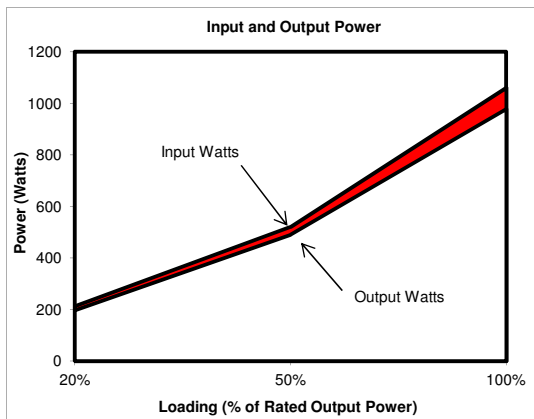
Input AC Current Waveform (ITHD = 3.496%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-140 / 180-240	Volts
Input Current	6.5-4.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	980	Watts

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

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	5Vsb		
0.61	0.83	19.12	10%	Low	114	1.80	12.05/7.98	5.12/0.4	98	86.46%
1.00	0.93	12.70	20%	Light	213	2.04	12.03/16.01	5.12/0.79	197	92.23%
2.30	0.98	3.50	50%	Typical	520	1.44	11.99/40.03	5.08/1.97	490	94.19%
4.62	1.00	1.97	100%	Full	1061	1.44	11.98/80.03	5.02/3.96	979	92.24%

\* 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/>

