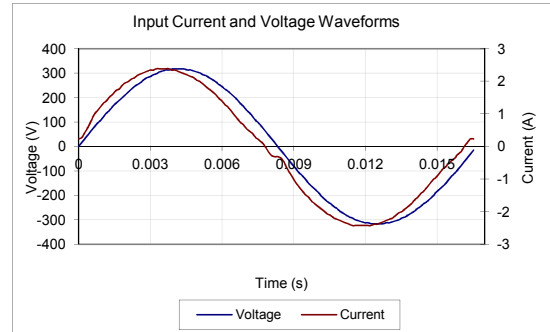


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.55%
AVERAGE EFFICIENCY :	93.51%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-420.1
Manufacturer	Super Micro Computer, Inc.
Model Number	PWS-741P-1R
Serial Number	N/A
Year	2012
Type	1U
Test Date	4/24/2012



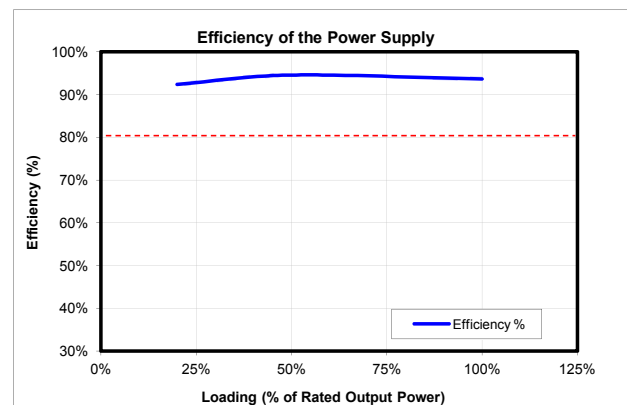
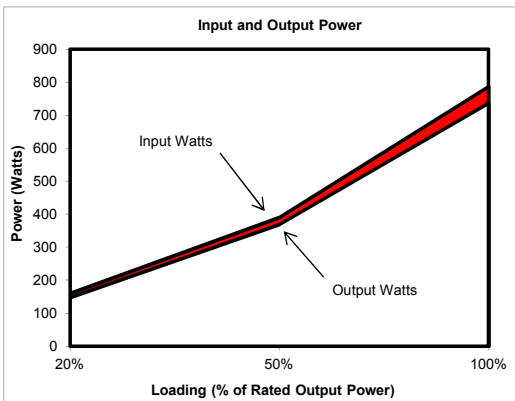
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-3.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	740	Watts

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

Input AC Current Waveform (ITHD = 4.73%, 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	5Vsb		
0.50	0.77	9.84	10%	Low	88	0.84	12.05/6.01	5.14/0.39	74	84.07%
0.78	0.89	7.64	20%	Light	160	0.96	11.97/12.01	5.15/0.78	148	92.37%
1.75	0.97	4.73	50%	Typical	390	1.08	11.95/30.02	5.15/1.94	369	94.55%
3.46	0.99	1.75	100%	Full	787	1.80	11.94/60.03	5.16/3.88	737	93.61%

\* 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<sup>®</sup> 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/>

