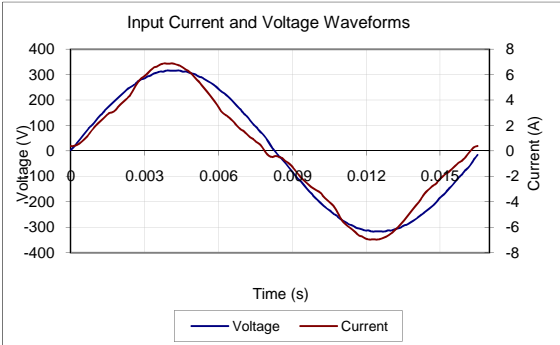


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	94.27%
AVERAGE EFFICIENCY :	93.25%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-104.1
Manufacturer	SUPER MICRO COMPUTER INC.
Model Number	PWS-920P-SQ
Serial Number	N/A
Year	2009
Type	1U
Test Date	11/14/2009



Input AC Current Waveform (ITHD = 20.45%, 50% Load)

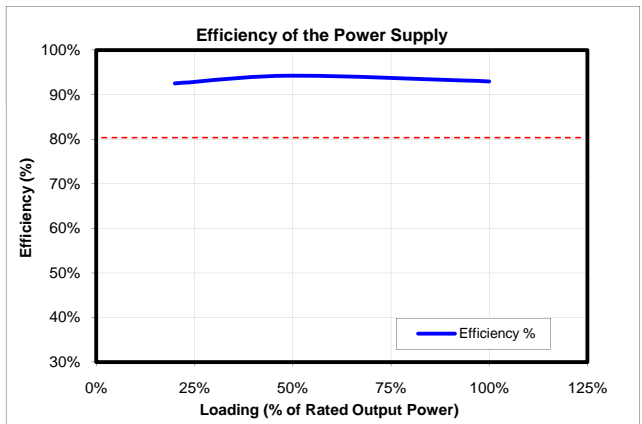
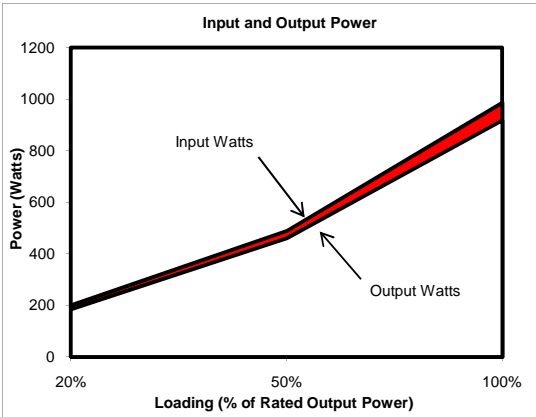
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10.7-4.2	Amps
Input Frequency	50-60	Hz
Rated Output Power	920	Watts

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		
0.52	0.88	25.34	*10%	Low	106	1.21	12.05/7.53	5.17/0.4	93	87.68%
0.92	0.94	22.67	20%	Light	200	1.21	12.03/15.03	5.16/0.8	185	92.51%
2.18	0.97	20.45	50%	Typical	488	1.45	11.99/37.53	5.13/2	460	94.27%
4.35	0.99	15.98	100%	Full	987	5.93	11.96/75.03	4.01/5.07	917	92.98%

* 10% load results are for informative purposes only and not included in certification requirements.

** 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/>

