

80 PLUS Verification and Testing Report

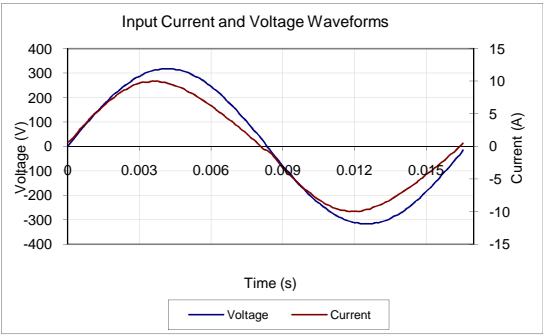
TYPICAL EFFICIENCY (50% Load):	94.13%
AVERAGE EFFICIENCY :	92.97%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-318.1
Manufacturer	Super Micro Computer, Inc.
Model Number	PWS-3K01-BR
Serial Number	C34900A03A00376
Year	2011
Type	CUSTOM
Test Date	8/29/2011

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	17.5-15	Amps
Input Frequency	50-60	Hz
Rated Output Power	3,000	Watts

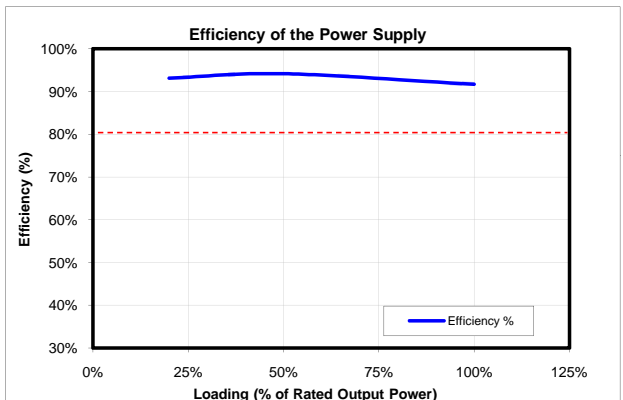
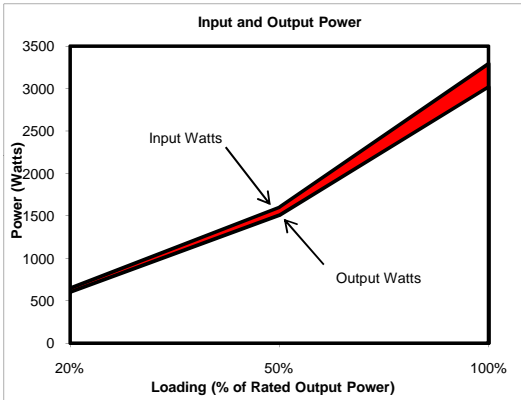
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.78%, 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	5Vsb		
1.53	0.95	10.34	*10%	Low	336	15.61	12.07/24.36	5.02/1.56	302	89.92%
2.88	0.98	7.44	20%	Light	649	15.61	12.07/48.72	5.02/3.11	604	93.10%
7.01	0.99	4.78	50%	Typical	1603	15.61	12.07/121.75	5.01/7.79	1509	94.13%
14.38	1.00	4.37	100%	Full	3297	15.62	12.09/243.5	4.99/15.8	3023	91.69%

* 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/>

