

80 PLUS Verification and Testing Report

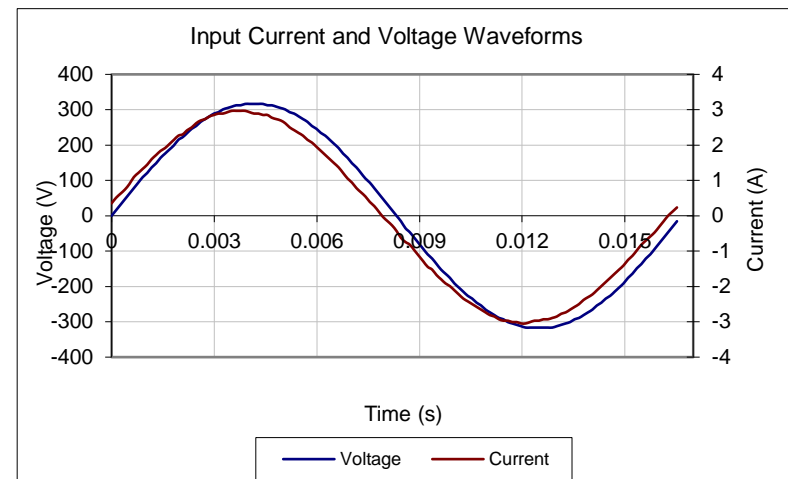
TYPICAL EFFICIENCY (50% Load):	94.63%
AVERAGE EFFICIENCY :	93.39%
80 PLUS COMPLIANT:	YES



Ecos ID #	SO-1118.1
Manufacturer	Super Micro Computer Inc
Model Number	PWS-1K01B-1R
Serial Number	N/A
Year	2016
Type	1U
Test Date	06/27/16

Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	7.2-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,000	Watts

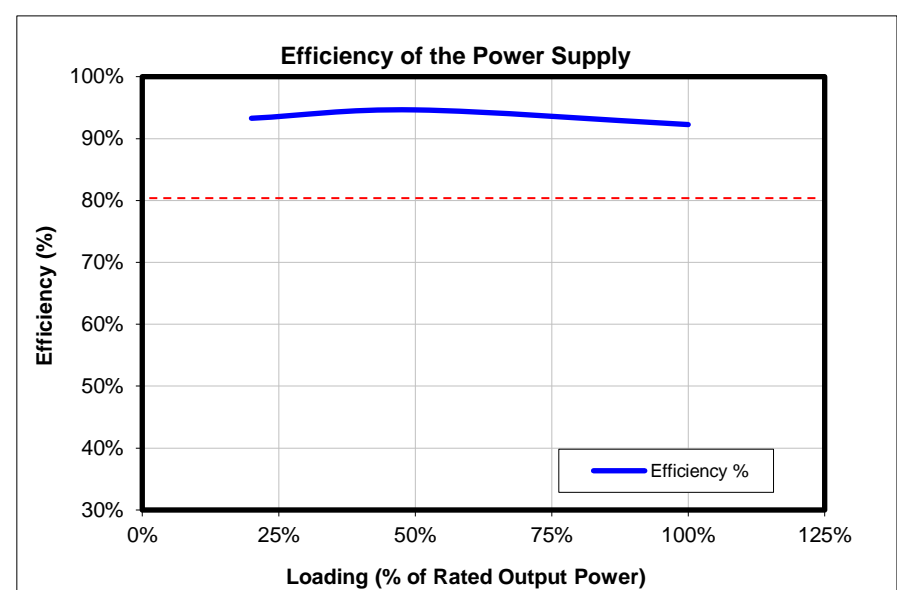
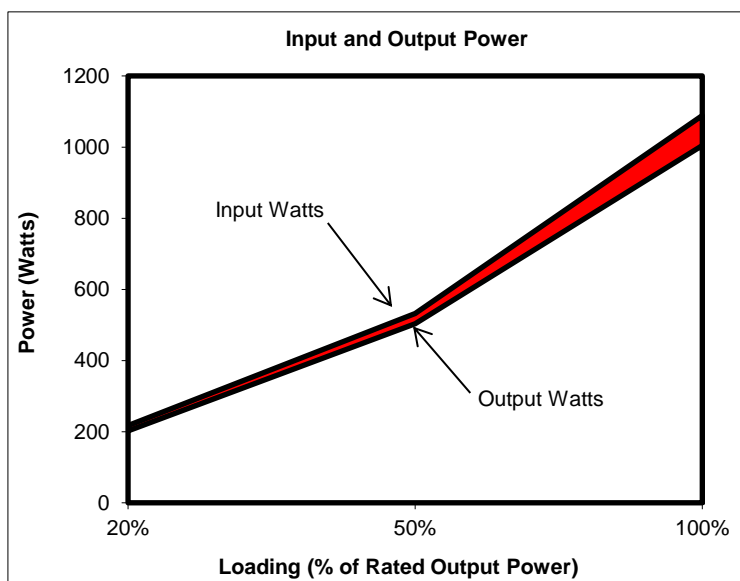
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 1.37%, 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		
0.54	0.93	8.14	10%	Low	115	5.76	12.18/8.19	5.11/0.39	102	88.65%
0.97	0.97	7.10	20%	Light	217	5.88	12.11/16.39	5.09/0.79	203	93.27%
2.33	0.99	1.37	50%	Typical	532	5.76	12.04/40.98	5.03/1.97	504	94.63%
4.74	1.00	1.04	100%	Full	1089	6.00	12.02/81.96	4.92/3.95	1004	92.26%

* 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/>

