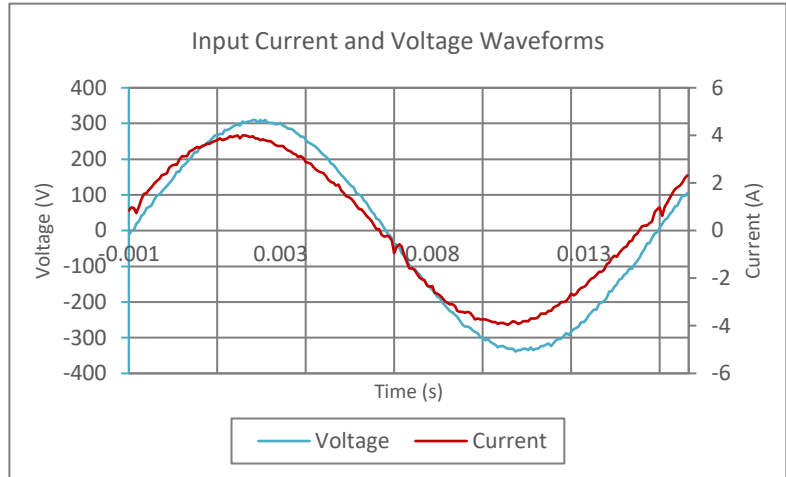


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.01%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>94.94%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1932
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-1K24A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2021
<b>Type</b>	1U
<b>Test Date</b>	09/16/21



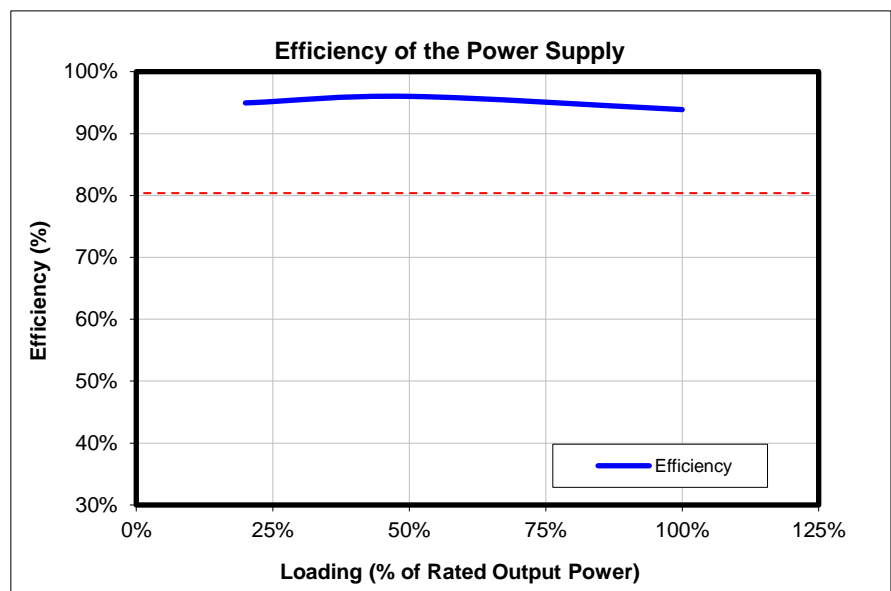
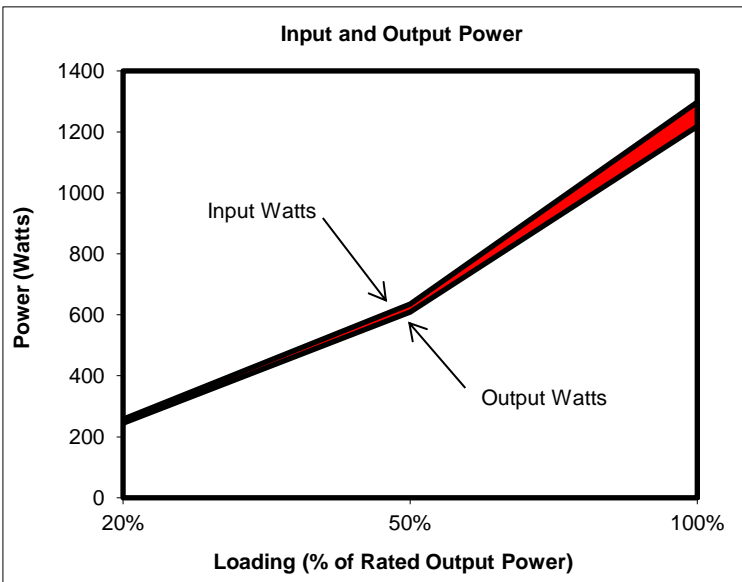
Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	9.8-7/7.5-6	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1,200</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 3.19%, 50% Load)

I <sub>RMS</sub>	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	12Vsb		
0.75	0.90	9.48%	10%	Low	156	0.96	12.22/9.82	11.88/2.07	145	92.45%
1.17	0.96	7.15%	20%	Light	258	0.84	12.22/19.64	11.98/0.41	245	94.95%
2.80	0.99	3.19%	50%	Typical	635	1.32	12.17/49.09	11.89/1.03	610	96.01%
5.67	1.00	2.74%	100%	Full	1298	5.28	12.16/98.17	11.84/2.07	1218	93.87%

\* 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/>