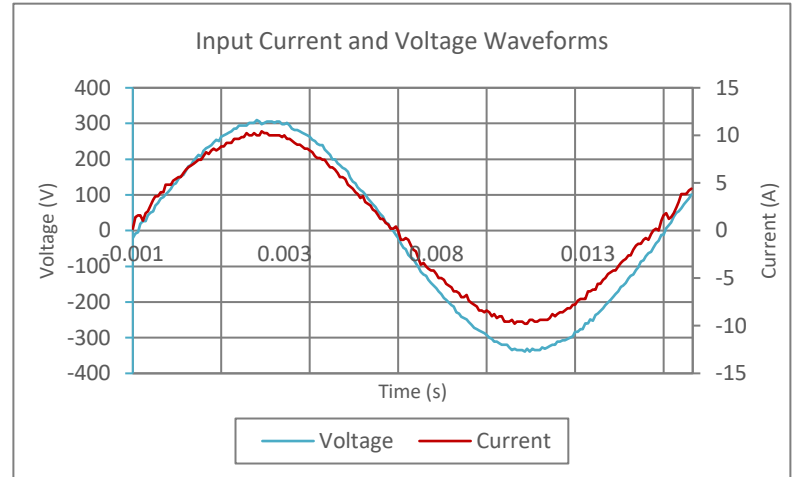


# 80 PLUS Verification and Testing Report

<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>96.24%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>95.40%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	SO-1858.1
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-3K02G-2R
<b>Serial Number</b>	N/A
<b>Year</b>	2021
<b>Type</b>	2U
<b>Test Date</b>	03/08/21



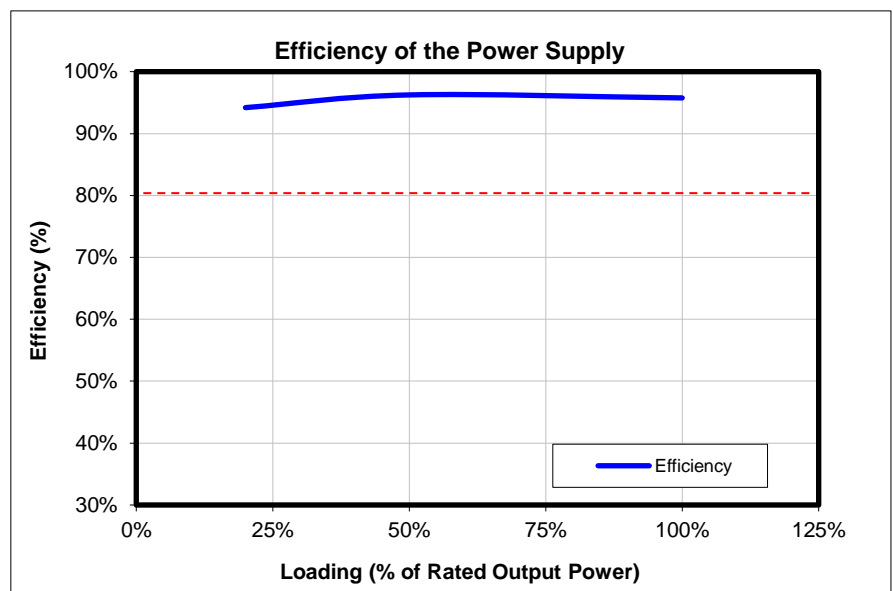
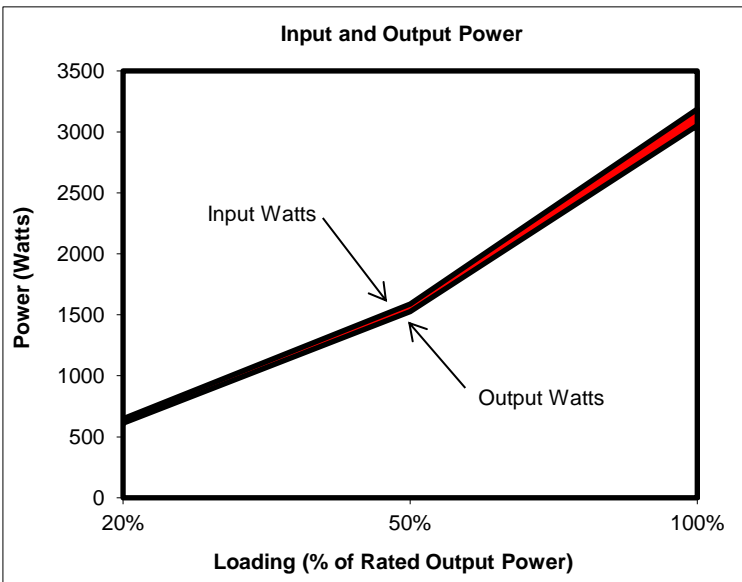
Rated Specifications	Value	Units
Input Voltage	200-207/207.1-240	Volts
Input Current	16-15.7/16-14.5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>3,000</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 2.93%, 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	54V	12Vsb		
1.55	0.94	11.01%	10%	Low	336	2.76	12.31/7.73	54.51/3.81	12.29/0.25	306	91.09%
2.88	0.98	9.08%	20%	Light	650	3.60	12.31/15.46	54.52/7.62	12.27/0.51	612	94.19%
6.94	1.00	2.93%	50%	Typical	1588	7.32	12.3/38.65	54.53/19.03	12.23/1.27	1528	96.24%
13.88	1.00	1.42%	100%	Full	3187	19.56	12.28/77.29	54.49/38.03	12.15/2.54	3052	95.76%

\* 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/>