

# 80 PLUS Verification and Testing Report

**TYPICAL EFFICIENCY (50% Load):**  
**AVERAGE EFFICIENCY :**  
**80 PLUS COMPLIANT:**

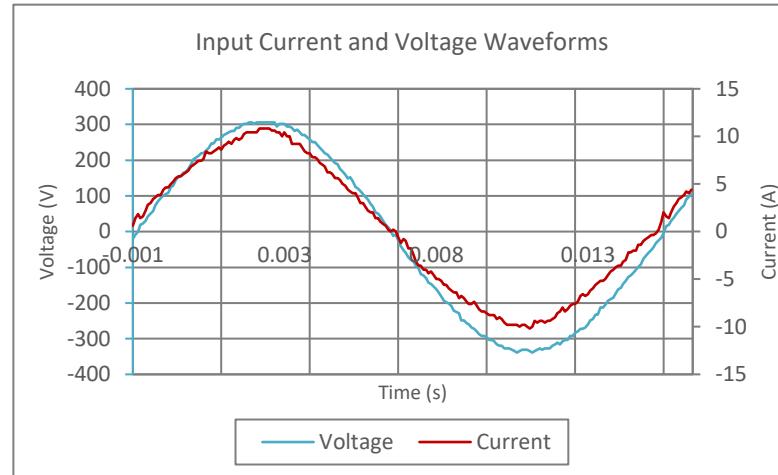
**96.27%**  
**95.52%**  
**YES**



<b>ID Number</b>	SO-1902.1
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-3K03G-2R
<b>Serial Number</b>	N/A
<b>Year</b>	2021
<b>Type</b>	2U
<b>Test Date</b>	05/28/21

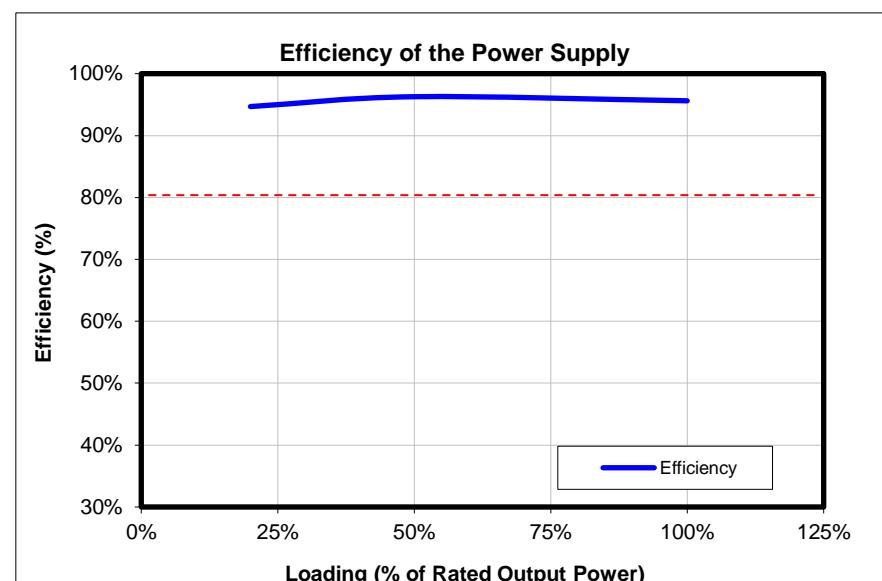
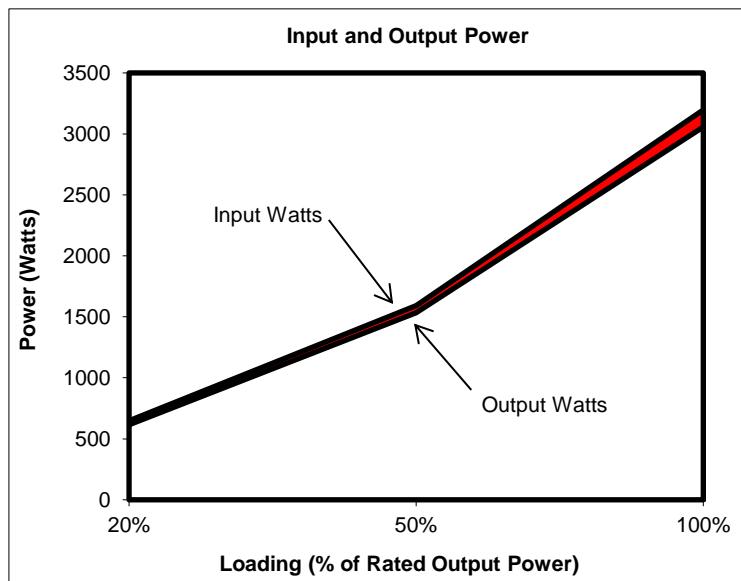
<b>Rated Specifications</b>		<b>Value</b>	<b>Units</b>
Input Voltage	200-207/207.1-240	Volts	
Input Current	16-15.7/16-14.5	Amps	
Input Frequency	50-60	Hz	
<b>Rated Output Power</b>	<b>3,000</b>	<b>Watts</b>	

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



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	0.95	14.71%	10%	Low	337	2.88	12.28/11.05	54.89/3.08	12.25/0.2	307	91.13%
2.88	0.98	11.95%	20%	Light	649	4.08	12.28/22.1	54.93/6.16	12.24/0.4	615	94.68%
6.96	0.99	4.73%	50%	Typical	1593	10.92	12.24/55.25	54.92/15.39	12.19/1	1534	96.27%
13.92	1.00	1.79%	100%	Full	3197	37.44	12.16/110.48	54.91/30.77	12.07/1.99	3057	95.62%

\* 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/>