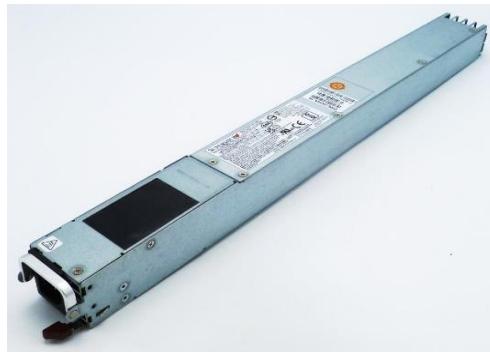


# 80 PLUS Verification and Testing Report

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

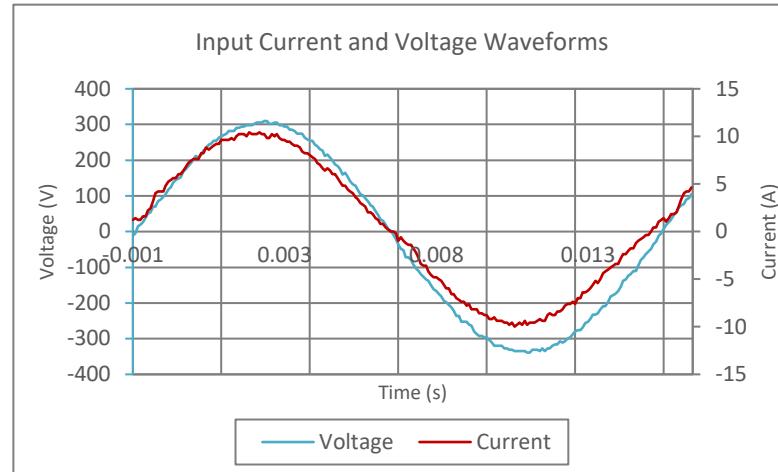
**96.27%**  
**95.44%**  
**YES**



<b>ID Number</b>	SO-1928.1
<b>Manufacturer</b>	Super Micro Computer Inc.
<b>Model Number</b>	PWS-3K04A-1R
<b>Serial Number</b>	N/A
<b>Year</b>	2021
<b>Type</b>	1U
<b>Test Date</b>	09/01/21

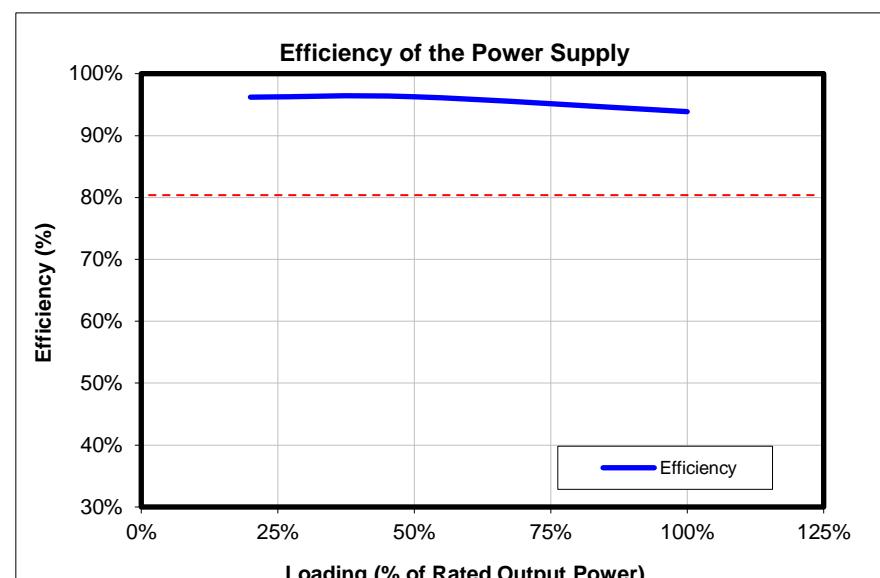
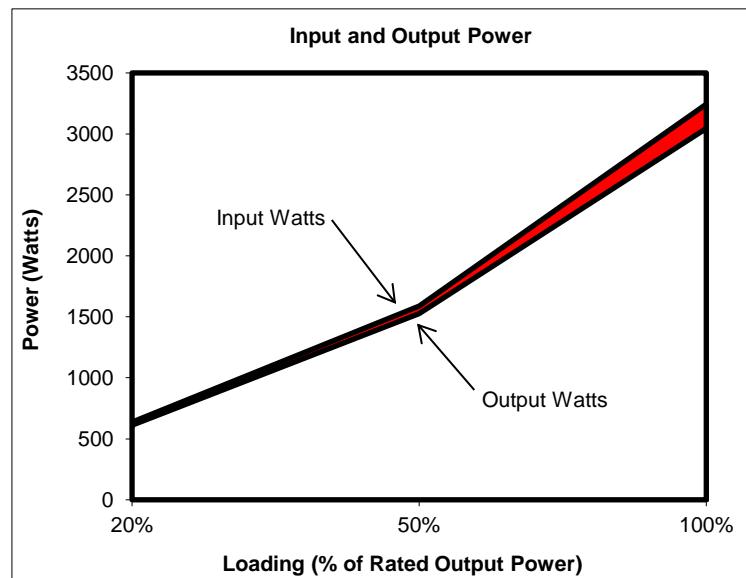
<b>Rated Specifications</b>		<b>Value</b>	<b>Units</b>
Input Voltage	100-127/200-207/208-240	Volts	
Input Current	16-13/16-15.5/16-14	Amps	
Input Frequency	50-60	Hz	
<b>Rated Output Power</b>	<b>3,000</b>	<b>Watts</b>	

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



<b>I<sub>RMS</sub></b>	<b>PF</b>	<b>I<sub>THD</sub></b>	<b>Load</b>	<b>Fraction of Load</b>	<b>Input Watts</b>	<b>External Fan (W)*</b>	<b>DC Terminal Voltage (V)/ DC Load Current (A)</b>		<b>Output Watts</b>	<b>Efficiency</b>
							<b>12V</b>	<b>12Vsb</b>		
1.51	0.93	8.68%	10%	Low	325	1.08	12.23/24.62	12.22/0.44	306	94.37%
2.84	0.98	7.76%	20%	Light	637	1.20	12.22/49.23	12.21/0.89	612	96.20%
6.95	0.99	4.23%	50%	Typical	1588	3.12	12.2/123.07	12.19/2.22	1528	96.27%
14.14	1.00	2.71%	100%	Full	3244	23.40	12.15/246.09	12.14/4.43	3045	93.86%

\* 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/>