

80 PLUS Verification and Testing Report

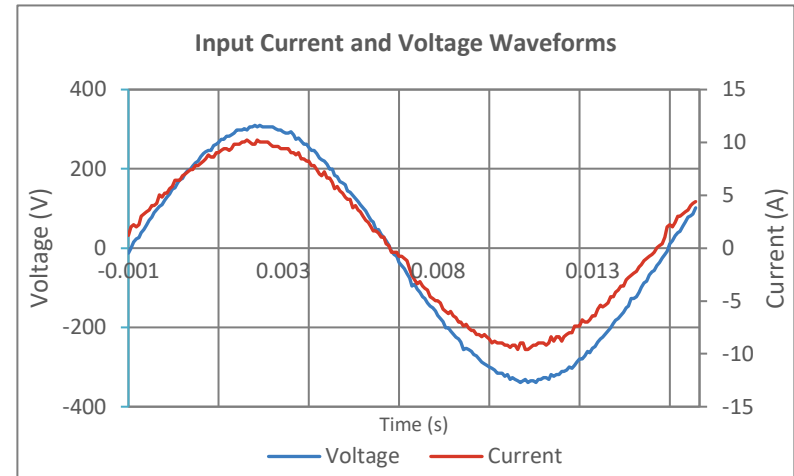
TYPICAL EFFICIENCY (50% Load):	96.34%
AVERAGE EFFICIENCY :	95.59%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2011
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-3K06G-2R
Serial Number	N/A
Year	2022
Type	2U
Test Date	04/11/22

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
Rated Output Power	3,000	Watts

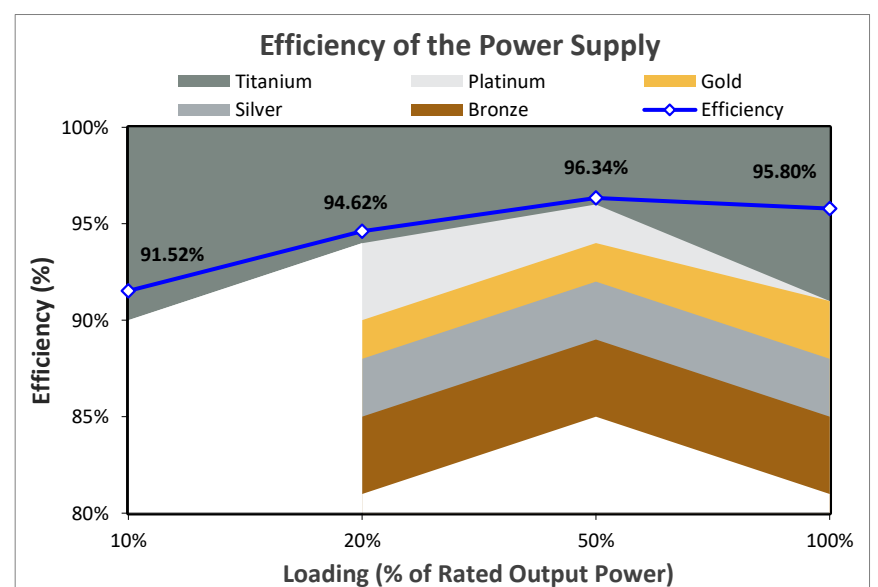
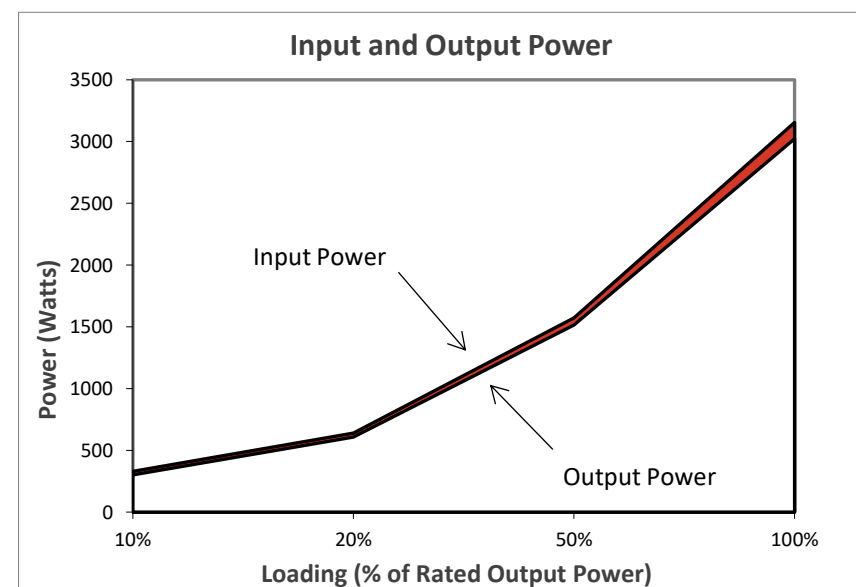
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 1.551%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)			Output Watts	Efficiency
							12V	54V	12Vsb		
1.527	0.9420	8.14%	10%	Low	330.87	91.44	12.17/7.74	54/3.81	12.15/0.25	302.82	91.52%
2.843	0.9792	6.77%	20%	Light	640.18	91.44	12.17/15.47	54.02/7.61	12.14/0.51	605.75	94.62%
6.868	0.9945	1.55%	50%	Typical	1570.65	91.32	12.15/38.67	54.02/19.03	12.08/1.27	1513.13	96.34%
13.740	0.9982	1.63%	100%	Full	3154.73	91.20	12.12/77.35	54/38.04	12.01/2.54	3022.23	95.80%

* 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/>