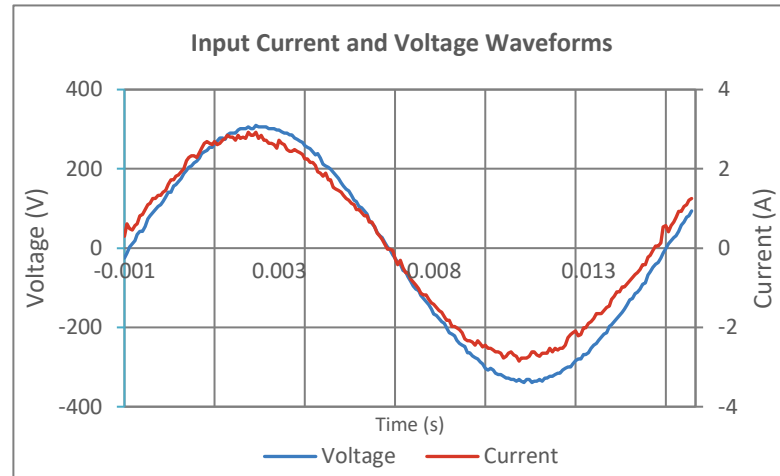


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	96.01%
AVERAGE EFFICIENCY :	95.06%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2197.1
Manufacturer	Super Micro Computer Inc.
Model Number	PWS-861A-1R
Serial Number	N/A
Year	2022
Type	1U
Test Date	12/21/22



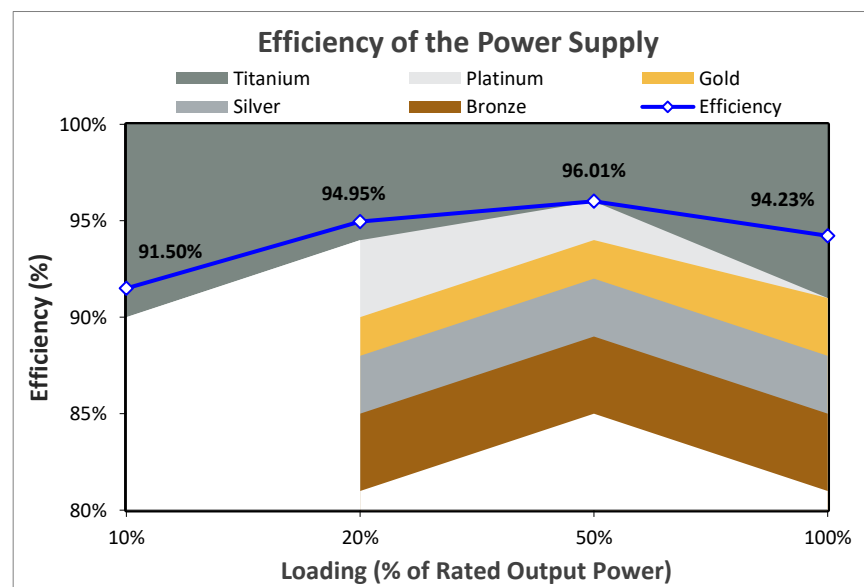
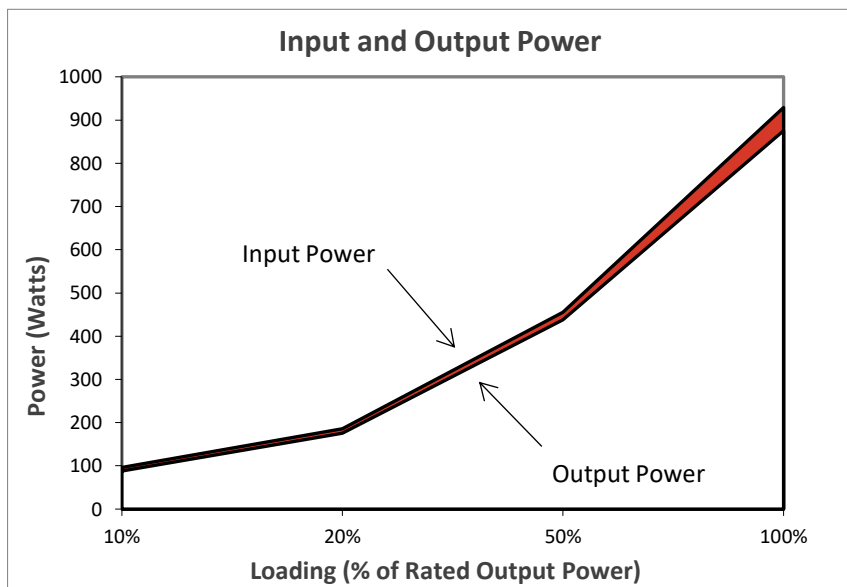
Input AC Current Waveform (ITHD = 2.386%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	9.4-7.4/4.8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	860	Watts

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	5Vsb		
0.467	0.8965	21.39%	10%	Low	96.21	0.64	12.24/7.02	5.11/0.4	88.03	91.50%
0.839	0.9608	17.49%	20%	Light	185.34	0.64	12.24/14.06	5.1/0.79	175.99	94.95%
1.993	0.9947	2.39%	50%	Typical	455.76	0.90	12.18/35.1	5.07/1.97	437.57	96.01%
4.047	0.9977	2.48%	100%	Full	928.96	6.47	12.18/70.22	5.02/3.94	875.38	94.23%

\* 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/>