

80 PLUS Verification and Testing Report

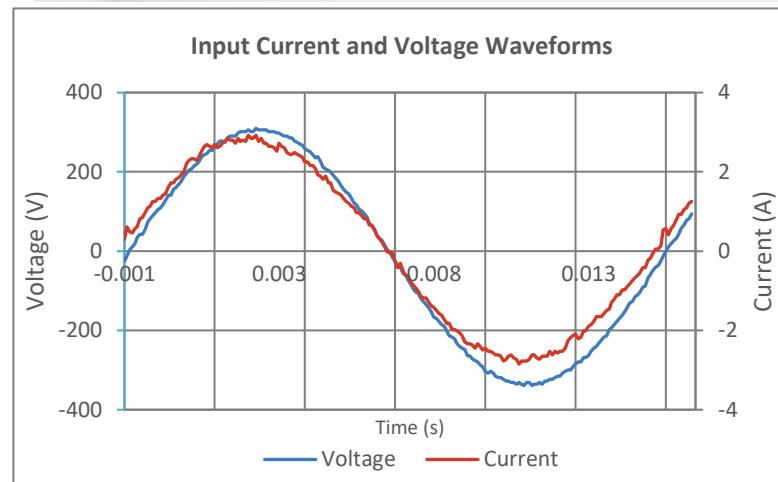
TYPICAL EFFICIENCY (50% Load):	96.01%
AVERAGE EFFICIENCY :	95.06%
80 PLUS COMPLIANT:	Titanium



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

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	

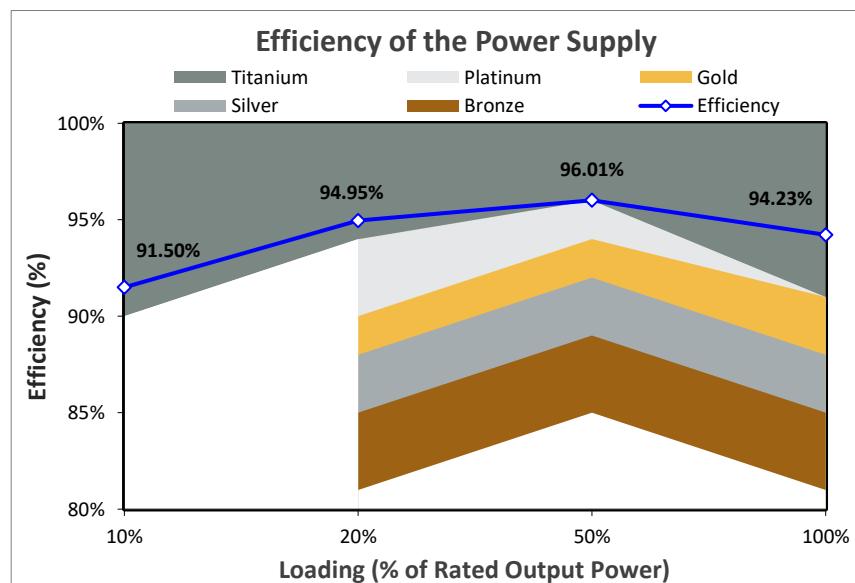
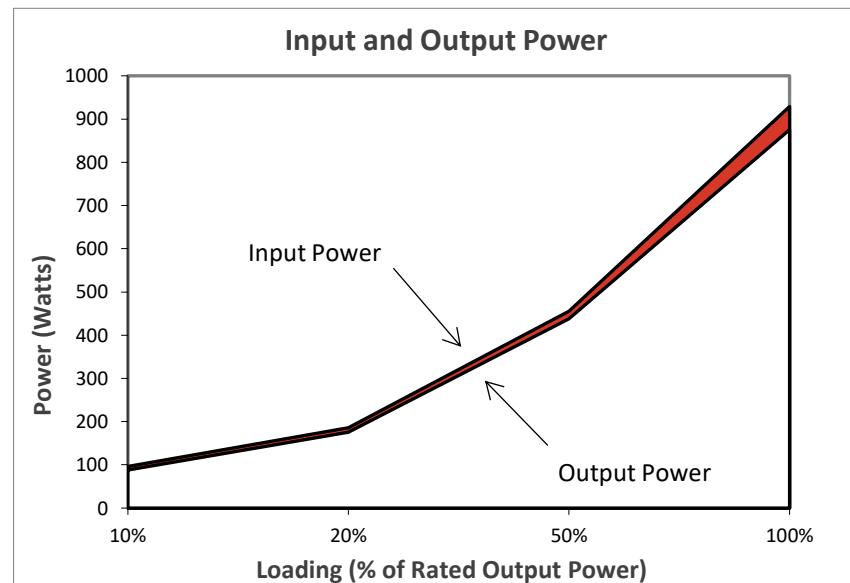
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 2.386%, 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	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/>