

80 PLUS Verification and Testing Report

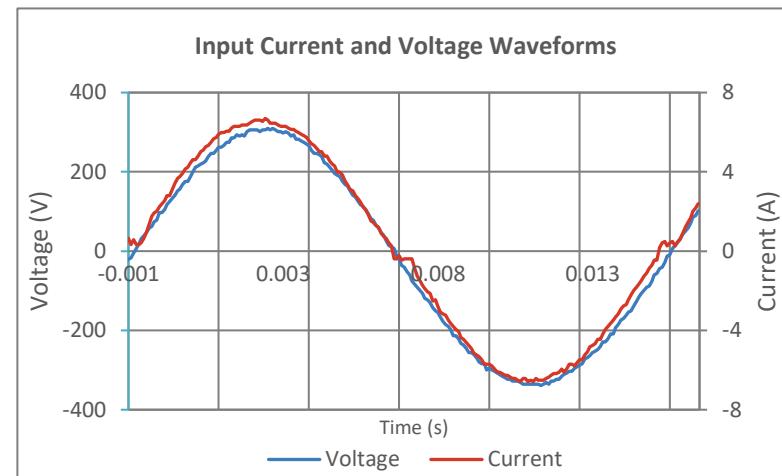
TYPICAL EFFICIENCY (50% Load):	96.21%
AVERAGE EFFICIENCY :	95.22%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2183
Manufacturer	Solu-M Co., Ltd.
Model Number	PSSF202201C
Serial Number	P2K82CM47AU0009
Year	2022
Type	1U
Test Date	12/14/22

Rated Specifications		Value	Units
Input Voltage	100-127/200-240	Volts	
Input Current	12/10	Amps	
Input Frequency	47-63	Hz	
Rated Output Power	2,000	Watts	

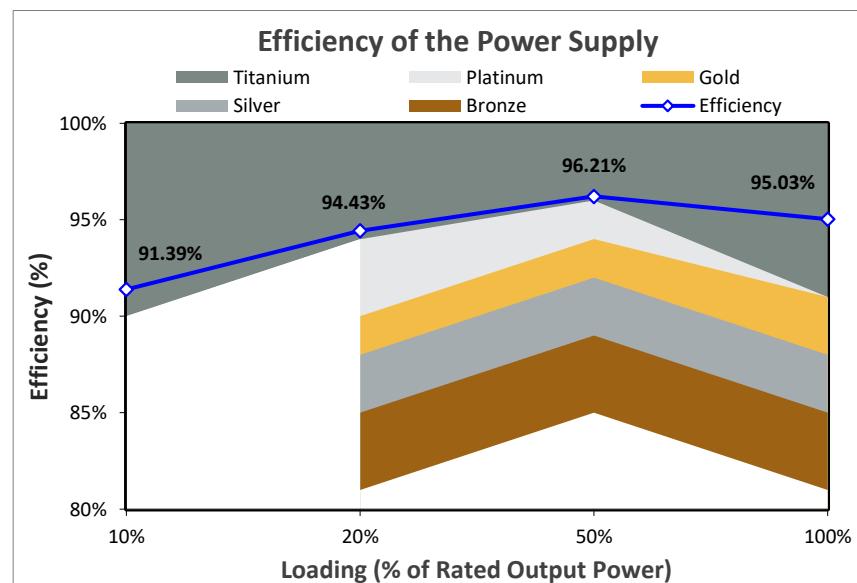
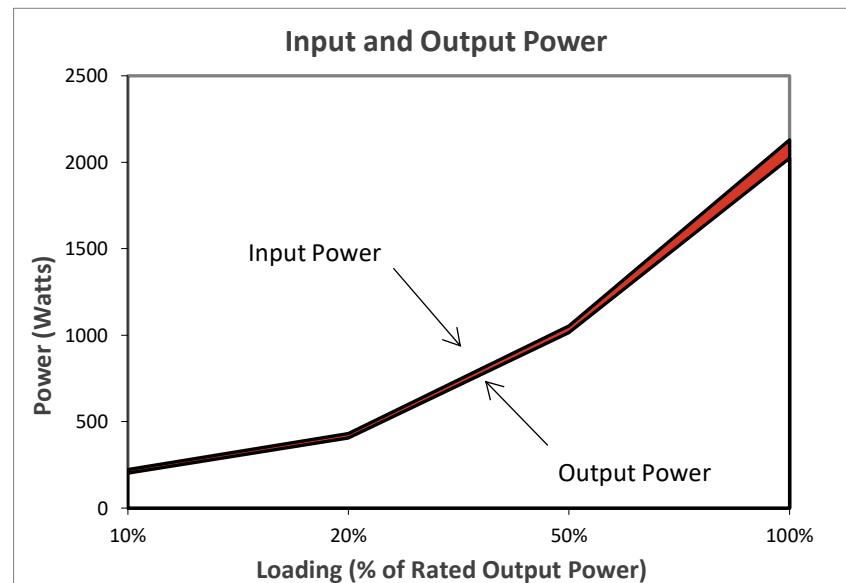
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.202%, 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	12Vsb		
0.987	0.9773	6.82%	10%	Low	221.98	1.26	12.14/16.42	12.12/0.29	202.87	91.39%
1.881	0.9944	4.07%	20%	Light	430.21	2.01	12.14/32.86	12.12/0.59	406.25	94.43%
4.588	0.9984	4.20%	50%	Typical	1053.63	3.81	12.13/82.09	12.1/1.47	1013.74	96.21%
9.270	0.9988	4.10%	100%	Full	2129.52	27.87	12.1/164.26	12.07/2.95	2023.62	95.03%

* 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/>