

# 80 PLUS Verification and Testing Report

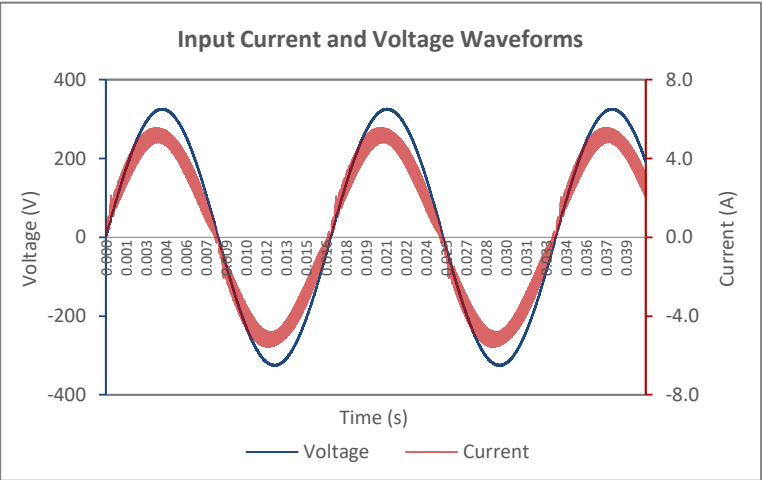
TYPICAL EFFICIENCY (50% Load):	96.12%
AVERAGE EFFICIENCY :	94.23%
80 PLUS COMPLIANT:	Titanium



ID Number	SO-2354
Manufacturer	Solu-M Co., Ltd.
Model Number	PSSF162205C
Serial Number	CNS1625C4AP170081
Year	2023
Type	1U
Test Date	11/30/23

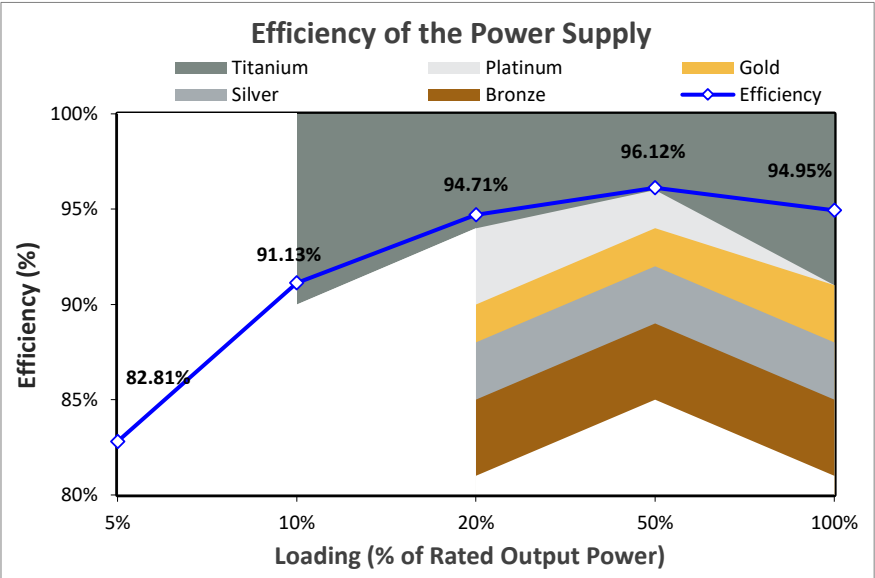
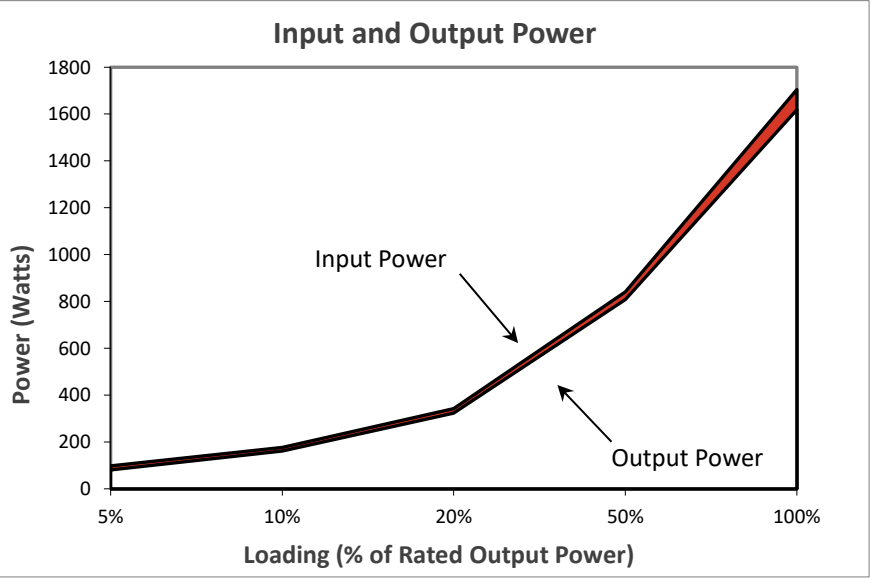
Rated Specifications	Value	Units
Input Voltage	100-127/200-240	Volts
Input Current	12/9.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	1,600	Watts

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	12Vsb		
0.246	0.0730	21.114	0%	No-Load	4.13	0.81	No-Load			
0.494	0.8606	15.634	5%	Minimum	97.82	1.02	12.17/6.55	12.15/0.1	81.00	82.81%
0.823	0.9371	17.124	10%	Low	177.49	0.84	12.14/13.12	11.93/0.21	161.75	91.13%
1.515	0.9804	5.869	20%	Light	341.70	0.89	12.14/26.26	11.91/0.42	323.62	94.71%
3.688	0.9912	2.295	50%	Typical	840.86	1.64	12.13/65.64	11.87/1.04	808.23	96.12%
7.447	0.9961	2.635	100%	Full	1704.83	11.08	12.14/131.27	12.04/2.07	1618.65	94.95%

\* Fan power is not included in the efficiency calculations, external fan voltage applied = 12.02Vdc



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/>