

80 PLUS Verification and Testing Report

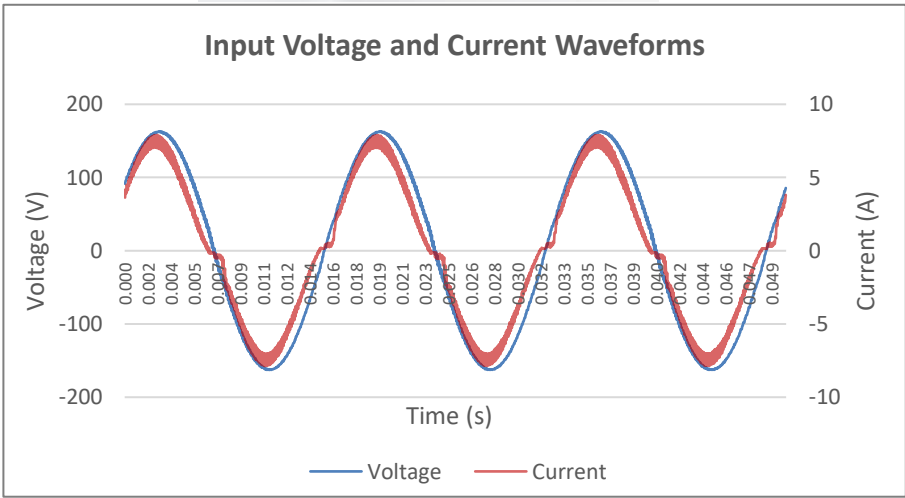
TYPICAL EFFICIENCY (50% Load):	92.16%
AVERAGE EFFICIENCY :	90.12%
80 PLUS COMPLIANT:	Gold



ID Number	7006
Manufacturer	SANR
Model Number	S-850MZ 1000A-J
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	4/18/23

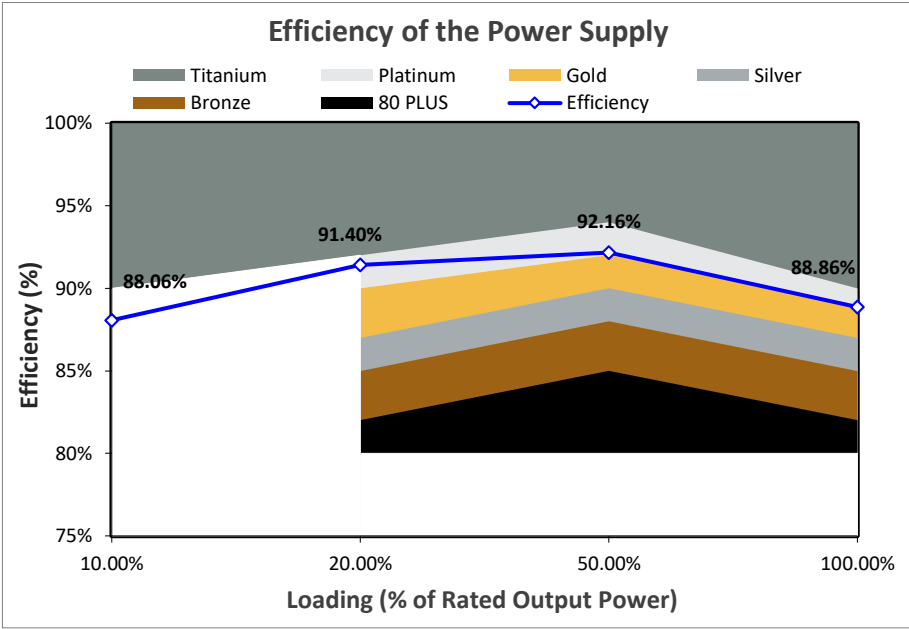
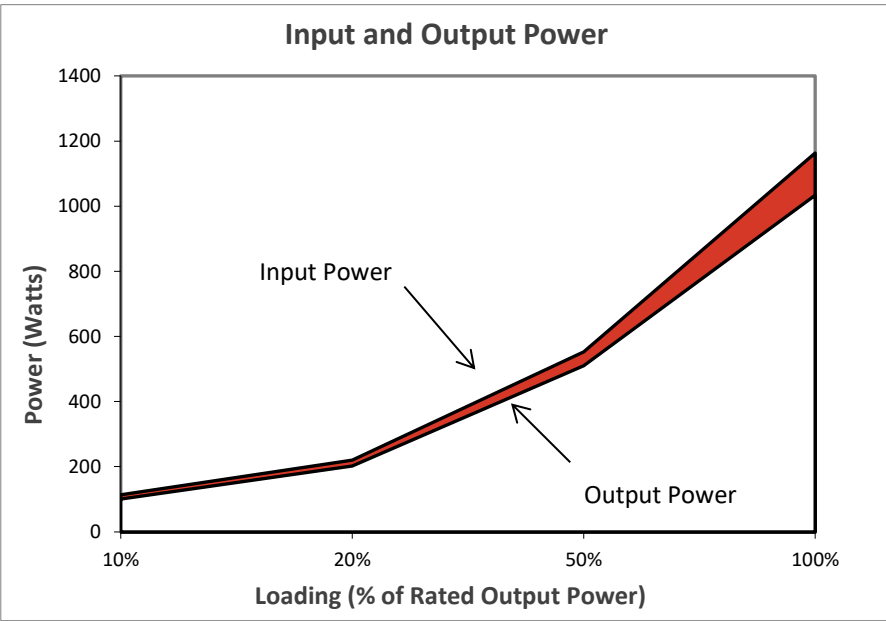
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		13-6.5	Amps
Input Frequency		47-63	Hz
Rated Output Power		1000	Watts

Note: All measurements were taken with input voltage at 115 V nominal at 60 Hz.



Input AC Current Waveform (ITHD = 14.89%, 50% Load)

I _{RMS} (A)	PF	I _{THD} (%)	Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency
					12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V	5Vsb		
1.014	0.9748	11.23	10%	113.74	12/7.29	12.19/0.03	3.38/1.32	5.09/1.32	5.06/0.22	100.17	88.06%
1.971	0.9731	16.24	20%	220.61	12.04/14.63	12.19/0.06	3.41/2.65	5.13/2.64	5.09/0.44	201.64	91.40%
4.869	0.9878	14.89	50%	553.18	12.16/36.58	12.18/0.13	3.52/6.63	5.23/6.56	5.19/1.1	509.83	92.16%
10.196	0.9922	10.49	100%	1163.23	12.32/73.02	12.21/0.26	3.68/13.27	5.38/13.1	5.33/2.2	1033.59	88.86%



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/>