

80 PLUS Verification and Testing Report

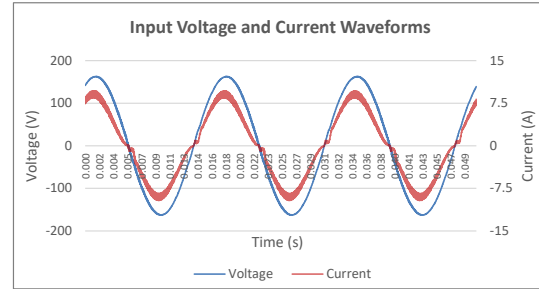
TYPICAL EFFICIENCY (50% Load):	91.72%
AVERAGE EFFICIENCY :	88.98%
80 PLUS COMPLIANT:	Gold



ID Number	7122
Manufacturer	SANRR
Model Number	S-850MZ 1200A-J
Serial Number	N/A
Year	2023
Type	EPS12V
Test Date	8/15/23

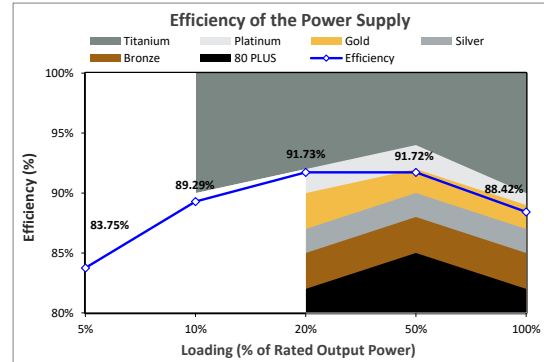
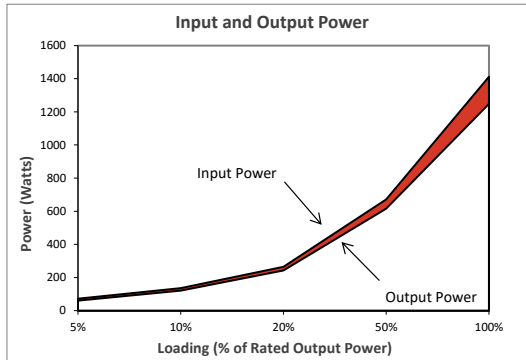
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15-7	Amps
Input Frequency	47-63	Hz
Rated Output Power	1200	Watts

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



Input AC Current Waveform (ITHD = 11.26%, 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		
0.177	0.3507	29.34	0%	7.16	No-Load						
0.682	0.9181	14.13	5%	72.02	12.02/4.49	12.27/0.01	3.35/0.67	5.05/0.67	5.07/0.11	60.32	83.75%
1.212	0.9707	7.68	10%	135.35	12.04/8.96	12.27/0.04	3.37/1.35	5.07/1.35	5.09/0.22	120.86	89.29%
2.364	0.9729	14.27	20%	264.61	12.09/17.93	12.27/0.06	3.41/2.7	5.11/2.7	5.13/0.45	242.72	91.73%
5.902	0.9886	11.26	50%	671.00	12.22/44.92	12.26/0.13	3.53/6.73	5.23/6.73	5.24/1.12	615.45	91.72%
12.344	0.9941	8.56	100%	1411.77	12.44/89.62	12.24/0.27	3.37/13.42	5.42/13.46	5.42/2.24	1248.30	88.42%



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/>