

80 PLUS Verification and Testing Report

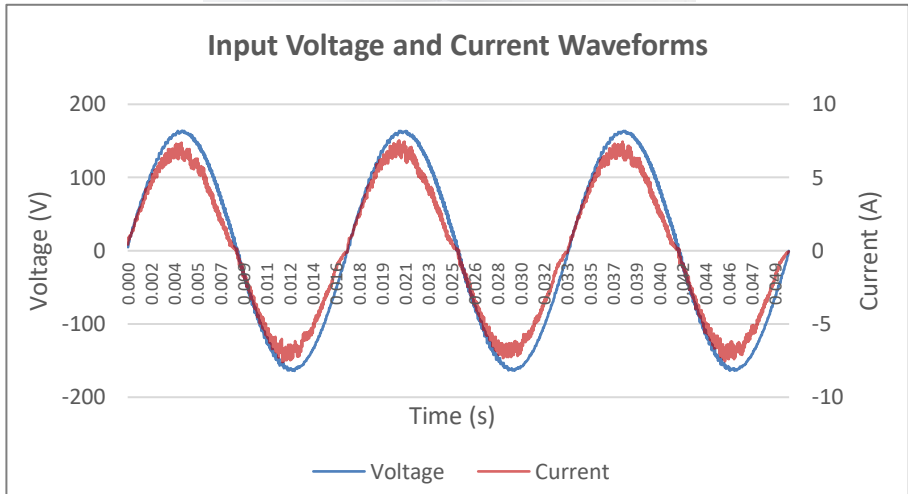
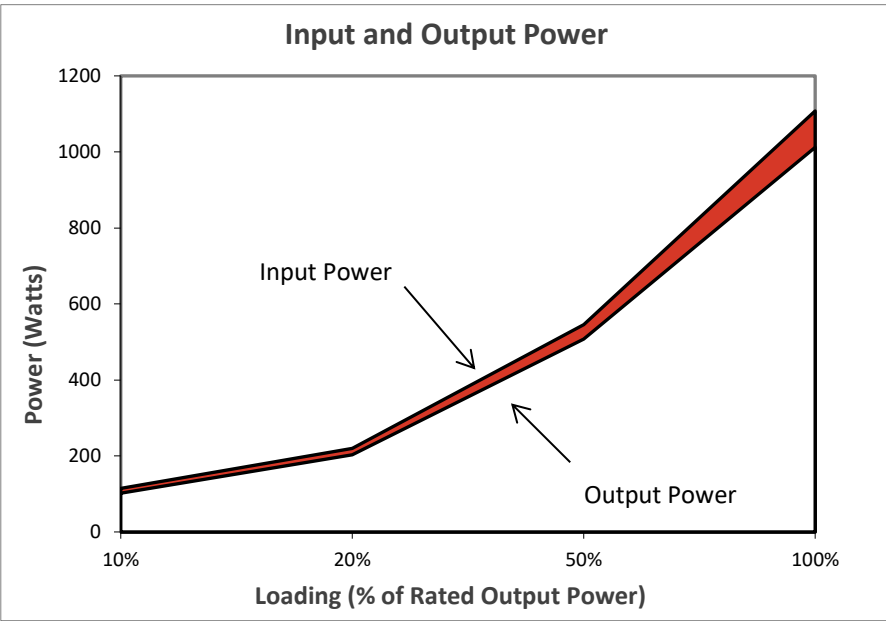
TYPICAL EFFICIENCY (50% Load):	93.15%
AVERAGE EFFICIENCY :	91.49%
80 PLUS COMPLIANT:	Platinum

ID Number	6991
Manufacturer	SAMA
Model Number	XPH1000-A
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	3/1/23

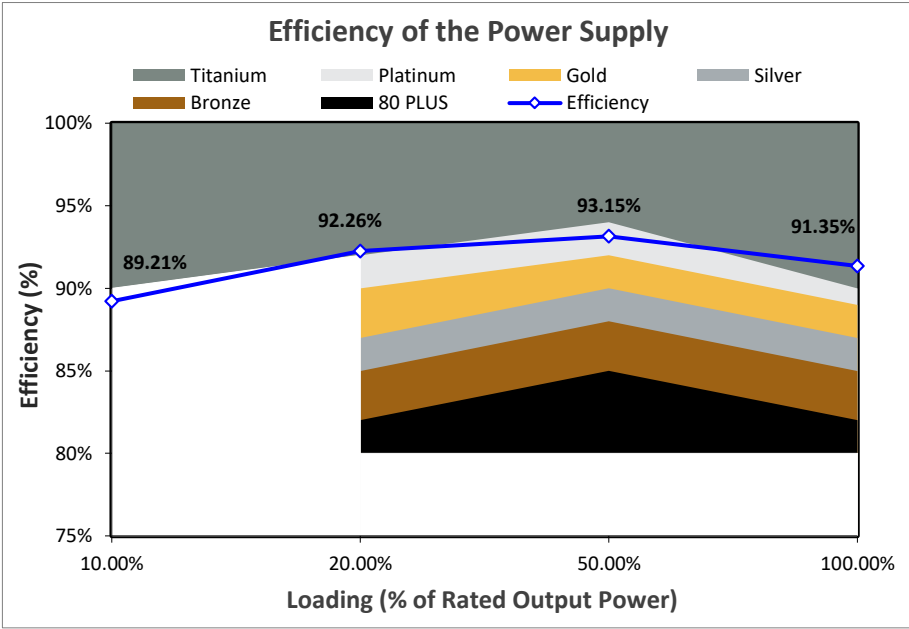
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15	Amps
Input Frequency	50-60	Hz
Rated Output Power	1000	Watts

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

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		
1.024	0.9661	5.21	10%	113.87	12.15/7.45	12.55/0.05	3.33/1.08	5.06/1.08	5.12/0.27	101.59	89.21%
1.951	0.9803	5.10	20%	219.85	12.16/14.9	12.05/0.07	3.33/2.15	5.06/2.14	5.12/0.54	202.84	92.26%
4.770	0.9943	4.44	50%	545.55	12.17/37.32	12.33/0.18	3.32/5.38	5.05/5.33	5.1/1.34	508.16	93.15%
9.660	0.9970	4.74	100%	1107.72	12.14/74.52	11.95/0.36	3.3/10.76	5.04/10.66	5.05/2.68	1011.95	91.35%



Input AC Current Waveform (ITHD = 4.44%, 50% Load)



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/>