

80 PLUS Verification and Testing Report

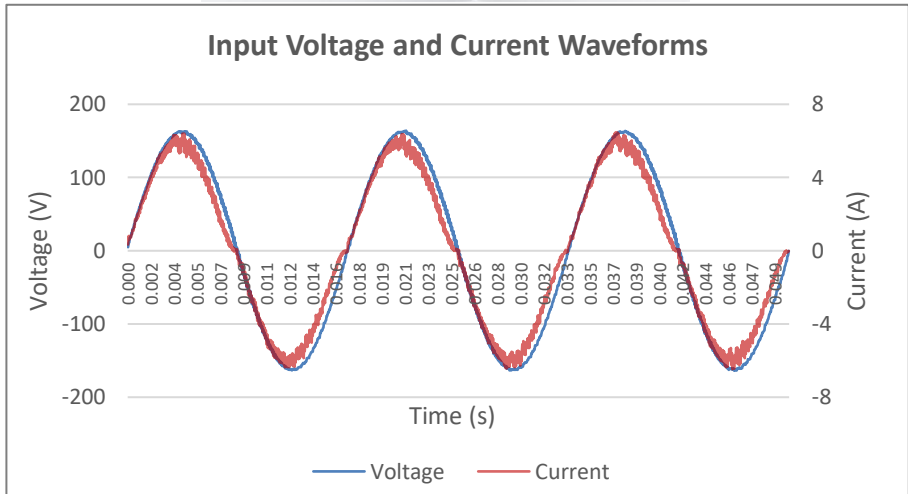
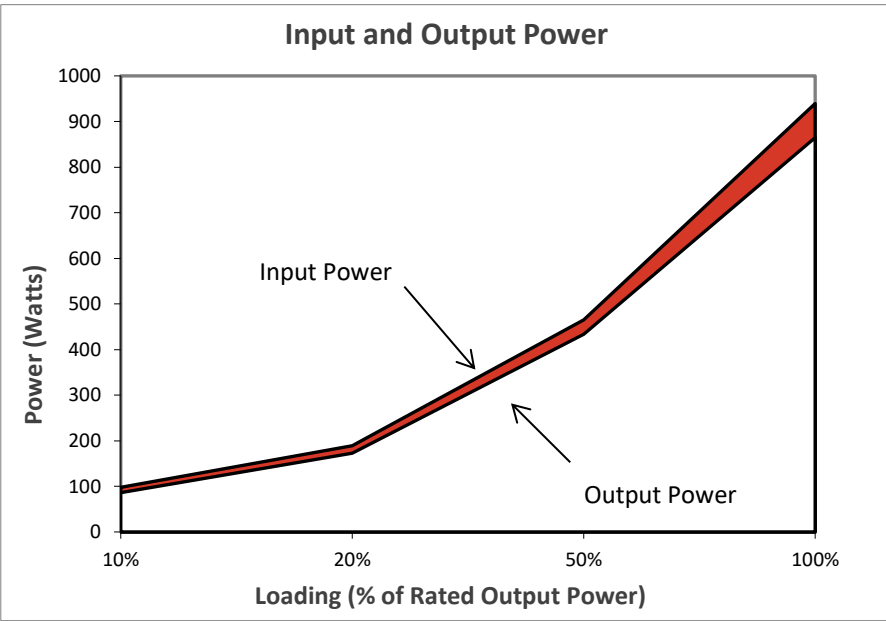
TYPICAL EFFICIENCY (50% Load):	93.22%
AVERAGE EFFICIENCY :	91.41%
80 PLUS COMPLIANT:	Platinum

ID Number	6990
Manufacturer	SAMA
Model Number	XPH850-A
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	3/1/23

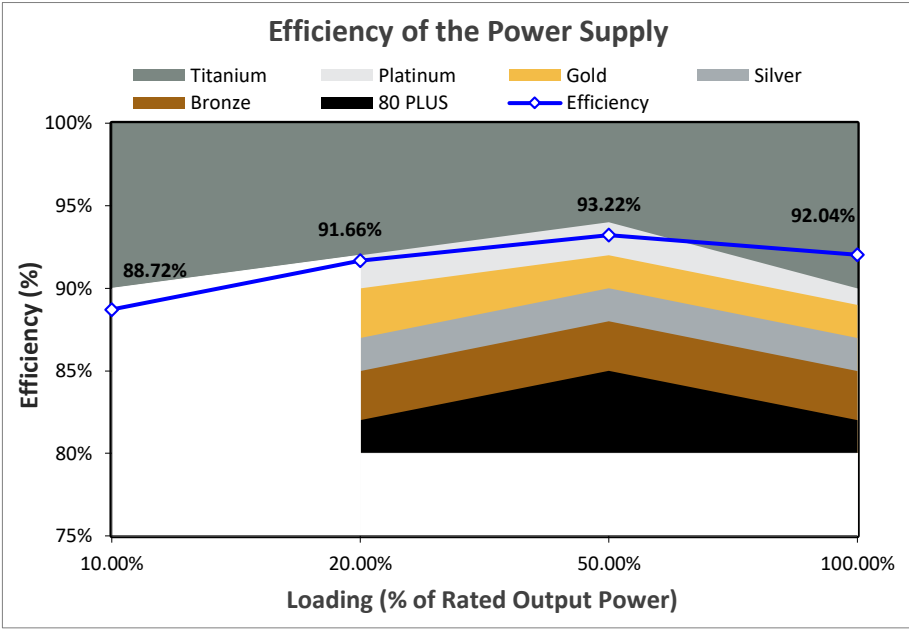
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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		
0.876	0.9690	8.03	10%	97.63	12.19/6.22	12.59/0.05	3.33/1.06	5.05/1.06	5.1/0.26	86.61	88.72%
1.681	0.9763	7.01	20%	188.65	12.2/12.43	12.54/0.07	3.33/2.11	5.05/2.1	5.1/0.53	172.93	91.66%
4.074	0.9921	5.83	50%	464.71	12.21/31.14	12.34/0.18	3.32/5.28	5.05/5.23	5.08/1.32	433.20	93.22%
8.204	0.9955	6.04	100%	939.35	12.2/62.29	11.91/0.35	3.31/10.56	5.03/10.46	5.04/2.63	864.59	92.04%



Input AC Current Waveform (ITHD = 5.83%, 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/>