

80 PLUS Verification and Testing Report

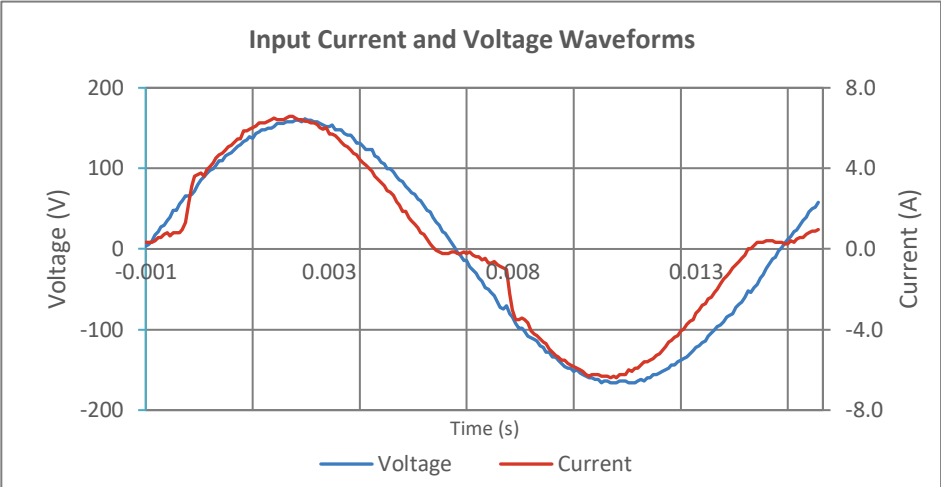
TYPICAL EFFICIENCY (50% Load):	91.54%
AVERAGE EFFICIENCY :	88.52%
80 PLUS COMPLIANT:	Gold



ID Number	6969
Manufacturer	EVGA
Model Number	850G XC
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	1/23/23

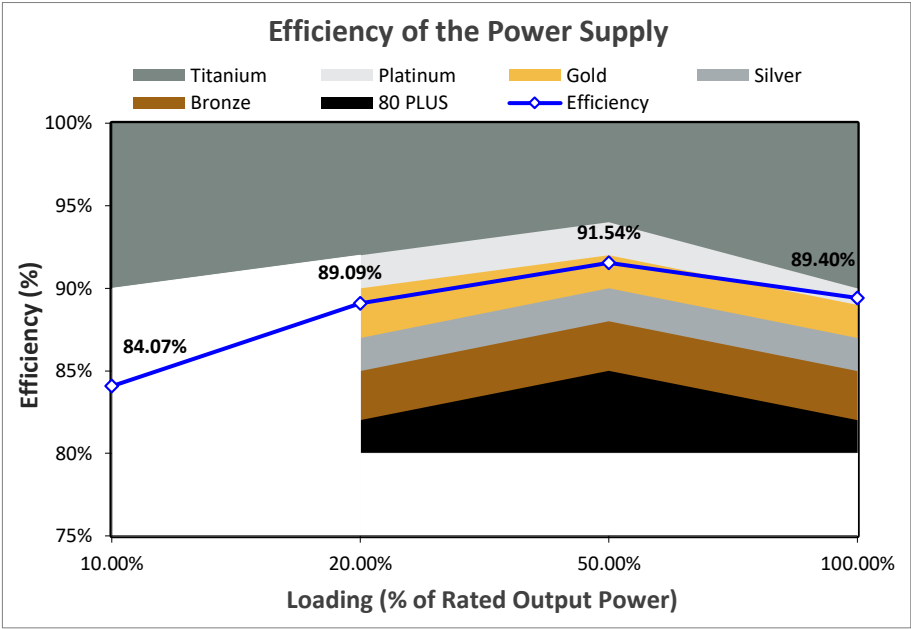
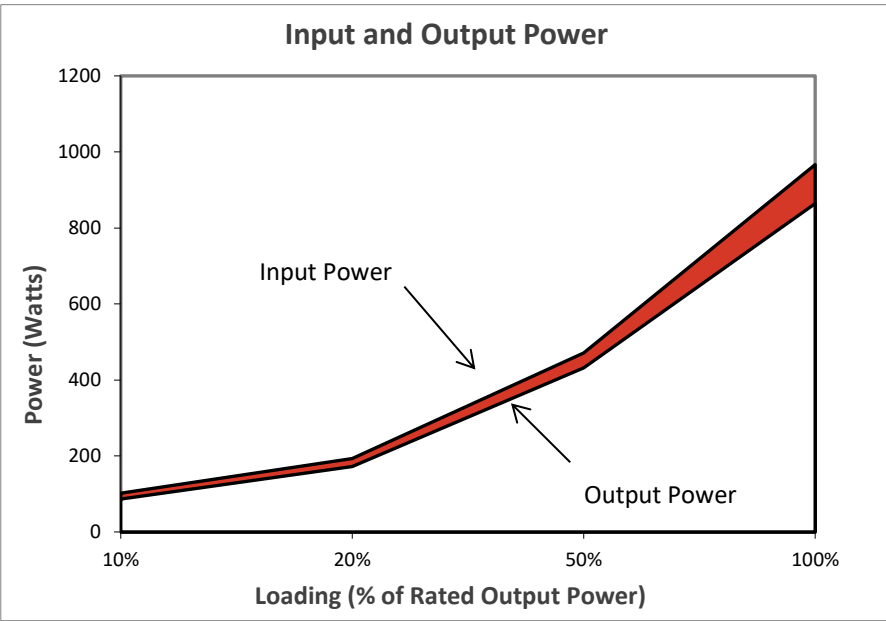
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		10-5	Amps
Input Frequency		60/50	Hz
Rated Output Power		850	Watts

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



Input AC Current Waveform (ITHD = 17.67%, 50% Load)

I _{RMS}	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		
0.937	0.9519	31.20%	10%	102.60	12.16/6.1	12.21/0.03	3.31/1.24	5.02/1.24	5.15/0.26	86.25	84.07%
1.769	0.9524	30.00%	20%	193.80	12.17/12.2	12.21/0.05	3.34/2.49	5.05/2.48	5.17/0.52	172.66	89.09%
4.185	0.9800	17.67%	50%	471.70	12.13/30.57	12.21/0.13	3.4/6.22	5.11/6.16	5.22/1.29	431.79	91.54%
8.467	0.9927	10.04%	100%	966.50	12.1/61.08	12.23/0.26	3.51/12.46	5.22/12.31	5.31/2.58	864.01	89.40%



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/>