

80 PLUS Verification and Testing Report

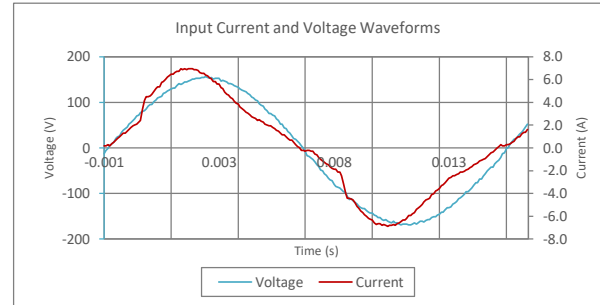
TYPICAL EFFICIENCY (50% Load):	91.34%
AVERAGE EFFICIENCY :	90.32%
80 PLUS COMPLIANT:	YES



ID Number	5600
Manufacturer	EVGA
Model Number	SuperNOVA 850 GA
Serial Number	N/A
Year	2019
Type	ATX12V
Test Date	7/12/19

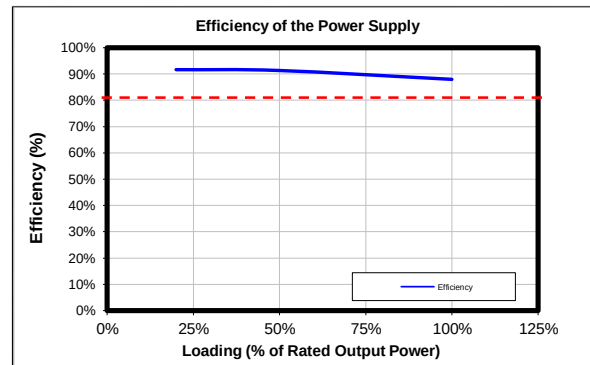
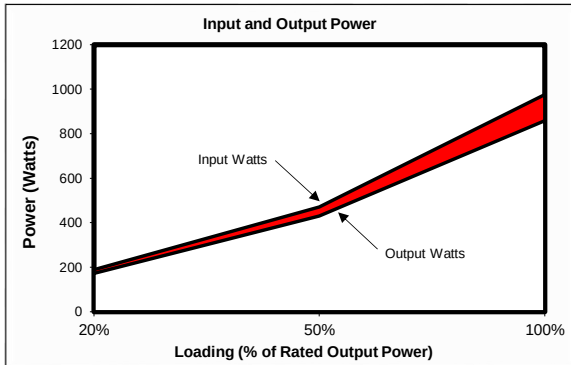
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	60/50	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 19.48%, 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		
0.90	0.94	11.82%	10%	97.00	12.13/6.09	12.09/0.03	3.34/1.24	5.03/1.24	5.11/0.26	85.93	88.58%
1.70	0.96	13.53%	20%	188.20	12.14/12.23	12.1/0.05	3.34/2.49	5.03/2.48	5.09/0.52	172.49	91.65%
4.23	0.97	19.48%	50%	471.00	12.11/30.59	12.11/0.13	3.33/6.22	5.03/6.17	5.03/1.29	430.20	91.34%
8.77	0.97	17.39%	100%	975.90	12.1/61.09	12.17/0.26	3.33/12.46	5.03/12.32	4.93/2.58	858.53	87.97%



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/>

