

80 PLUS Verification and Testing Report

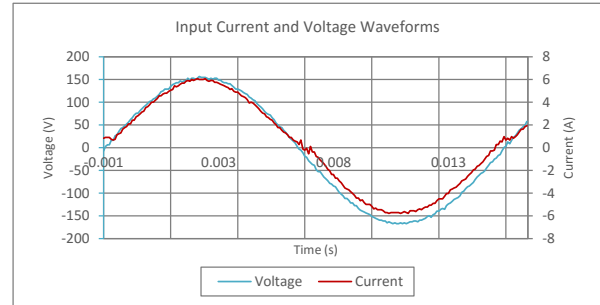
TYPICAL EFFICIENCY (50% Load):	92.30%
AVERAGE EFFICIENCY :	91.20%
80 PLUS COMPLIANT:	YES



ID Number	5095
Manufacturer	EVGA Corporation
Model Number	850 PQ
Serial Number	N/A
Year	2017
Type	ATX12V
Test Date	10/16/17

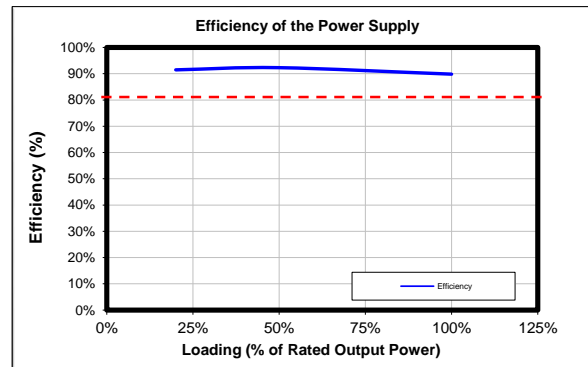
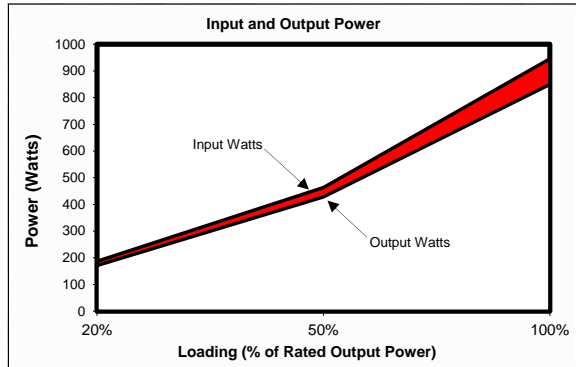
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12.5	Amps
Input Frequency	60/50	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (I_{THD} = 5.614%, 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	27.16%	10%	97.45	12.06/6.09	12.0/0.04	3.35/1.24	5.04/1.24	5.04/0.26	85.63	87.87%
1.66	0.98	16.67%	20%	187.24	12.05/12.19	12.01/0.09	3.34/2.48	5.04/2.46	5.03/0.51	171.28	91.48%
4.04	1.00	5.61%	50%	463.43	12.03/30.52	12.01/0.21	3.34/6.21	5.04/6.15	5.02/1.29	427.76	92.30%
8.24	1.00	3.72%	100%	945.51	12/60.67	12.02/0.43	3.34/12.42	5.03/12.27	5/2.57	849.40	89.84%



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/>

