

# 80 PLUS Verification and Testing Report

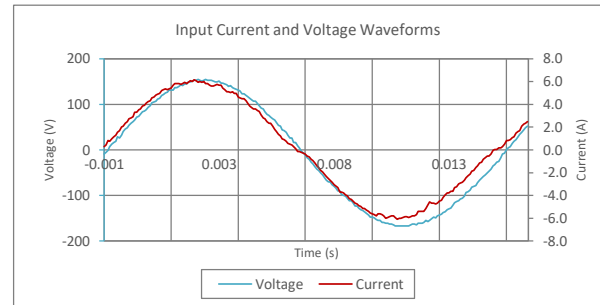
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>91.19%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>90.13%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>ID Number</b>	5596
<b>Manufacturer</b>	Super Flower Computer Inc.
<b>Model Number</b>	SF-850F14RG
<b>Serial Number</b>	S1906198822
<b>Year</b>	2019
<b>Type</b>	ATX12V, EPS12V
<b>Test Date</b>	7/8/19

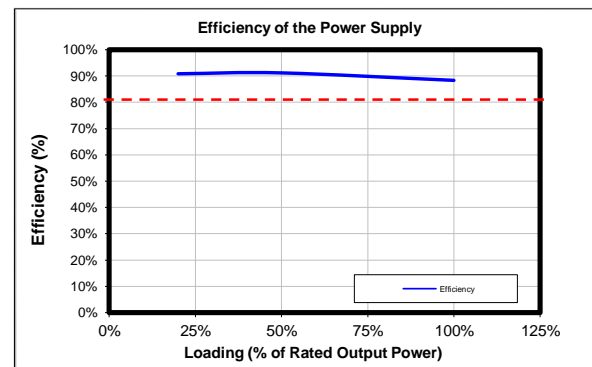
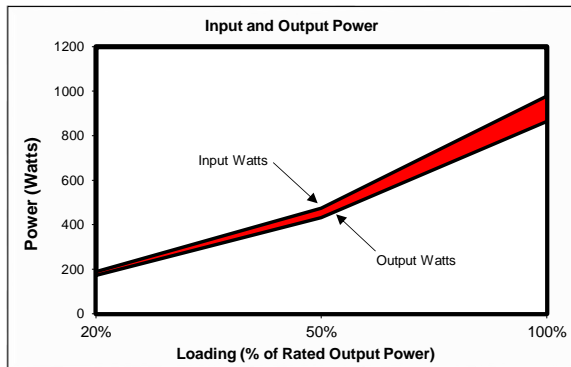
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	60/50	Hz
<b>Rated Output Power</b>	<b>850</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.51%, 50% Load)

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.93	0.92	8.72%	10%	98.50	12.15/6.23	12.35/0.04	3.33/1.06	5.02/1.06	5.1/0.26	86.30	87.61%
1.70	0.97	5.79%	20%	189.50	12.14/12.42	12.31/0.09	3.34/2.11	5.02/2.1	5.09/0.53	172.17	90.86%
4.15	0.99	4.51%	50%	473.40	12.15/31.15	12.23/0.22	3.36/5.28	5.02/5.24	5.05/1.31	431.70	91.19%
8.55	0.99	5.39%	100%	978.00	12.18/62.19	12.18/0.44	3.39/10.56	5.01/10.45	4.98/2.63	864.04	88.35%



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/>

