

# 80 PLUS Verification and Testing Report

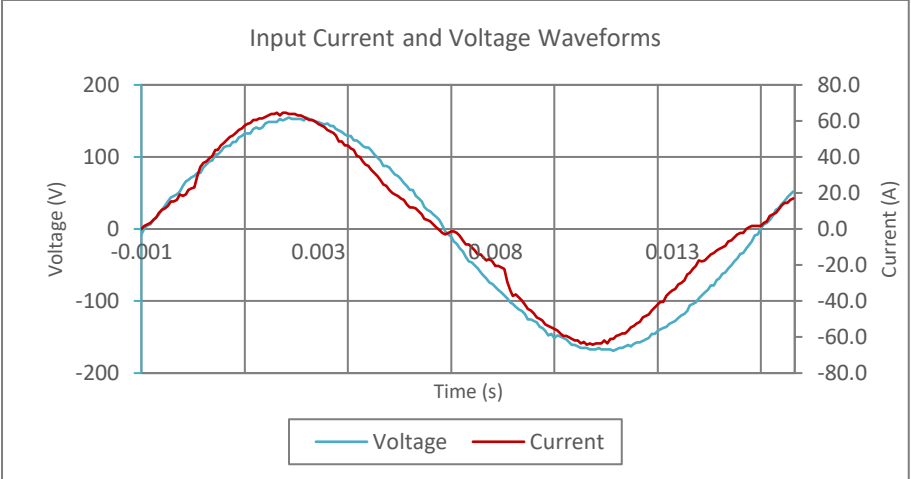
TYPICAL EFFICIENCY (50% Load):	91.48%
AVERAGE EFFICIENCY :	90.29%
80 PLUS COMPLIANT:	YES



ID Number	5886
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SSR-850FM
Serial Number	N/A
Year	2020
Type	ATX12V, EPS12V
Test Date	1/23/20

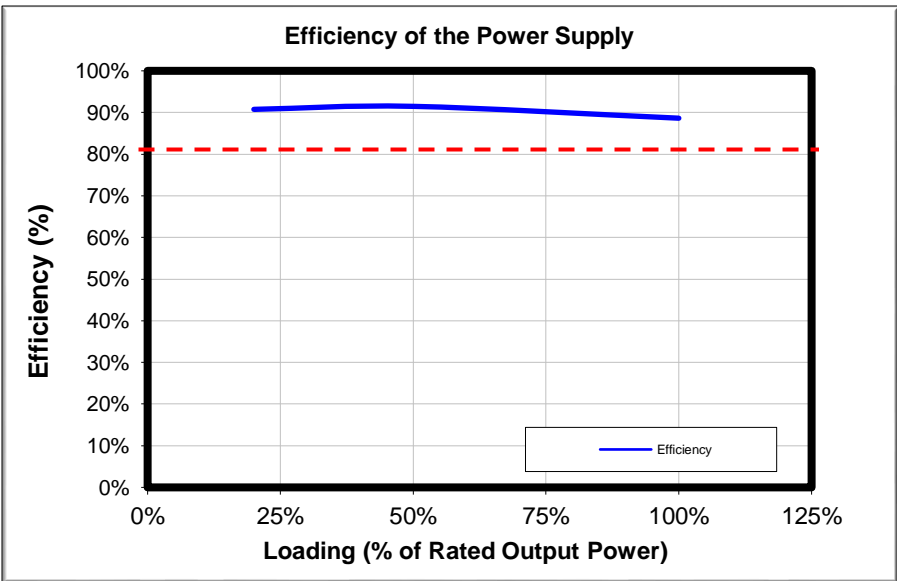
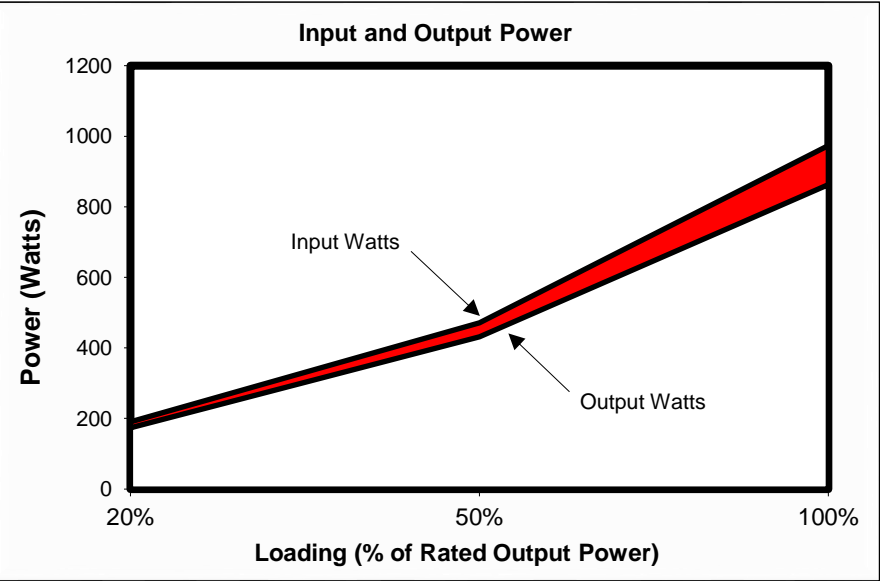
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	12-6	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 13.2%, 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		
0.95	0.91	8.33%	10%	99.27	12.18/6.21	12.22/0.03	3.35/1.07	5.04/1.07	5.1/0.27	86.41	87.05%
1.74	0.95	11.48%	20%	190.62	12.17/12.47	12.22/0.05	3.36/2.14	5.05/2.13	5.08/0.53	172.98	90.75%
4.19	0.98	13.20%	50%	471.70	12.16/31.13	12.26/0.13	3.35/5.34	5.05/5.3	5.06/1.33	431.49	91.48%
8.56	0.99	11.90%	100%	973.50	12.16/62.23	12.61/0.27	3.39/10.69	5.04/10.58	5.01/2.66	862.84	88.63%



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/>

