

80 PLUS Verification and Testing Report

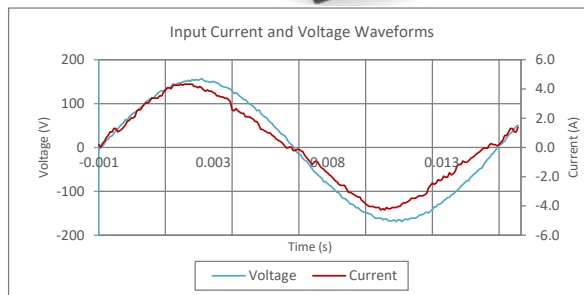
TYPICAL EFFICIENCY (50% Load):	90.52%
AVERAGE EFFICIENCY :	89.26%
80 PLUS COMPLIANT:	YES



ID Number	5561.1
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SSR-550LM
Serial Number	N/A
Year	2019
Type	ATX12V, EPS12V
Test Date	5/16/19

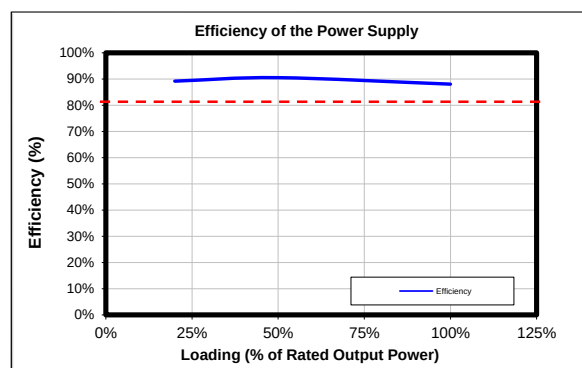
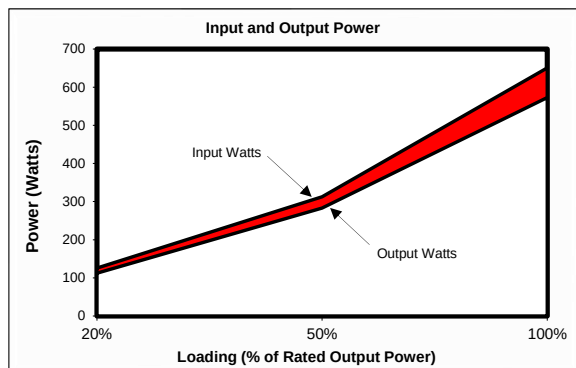
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 11.94%, 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		
0.63	0.92	16.44%	10%	66.10	12.16/3.77	12.28/0.03	3.34/1	5.03/1.01	5.11/0.25	55.93	84.62%
1.13	0.96	9.73%	20%	125.60	12.21/7.54	12.29/0.05	3.34/2.01	5.03/2	5.1/0.5	112.03	89.19%
2.76	0.98	11.94%	50%	312.80	12.34/18.89	12.46/0.13	3.38/5.02	5.03/4.99	5.07/1.25	283.15	90.52%
5.73	0.99	12.45%	100%	650.50	12.56/37.68	13.2/0.25	3.34/10.07	5.01/9.96	5/2.51	572.76	88.05%



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/>

