

80 PLUS Verification and Testing Report

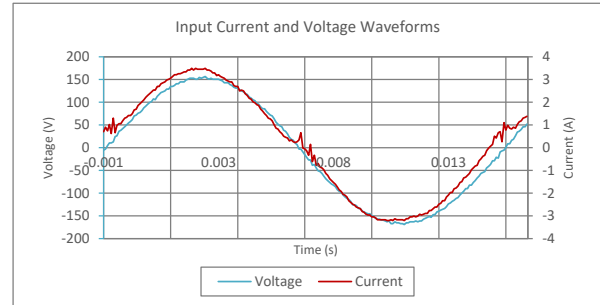
TYPICAL EFFICIENCY (50% Load):	86.51%
AVERAGE EFFICIENCY :	84.93%
80 PLUS COMPLIANT:	YES



ID Number	5122.1
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SSR-450GB3
Serial Number	N/A
Year	2017
Type	ATX12V,EPS12V
Test Date	11/1/17

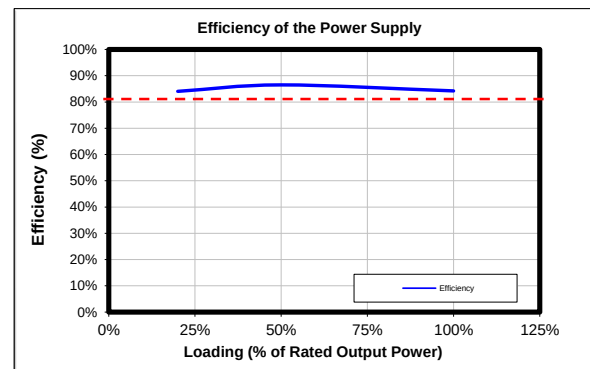
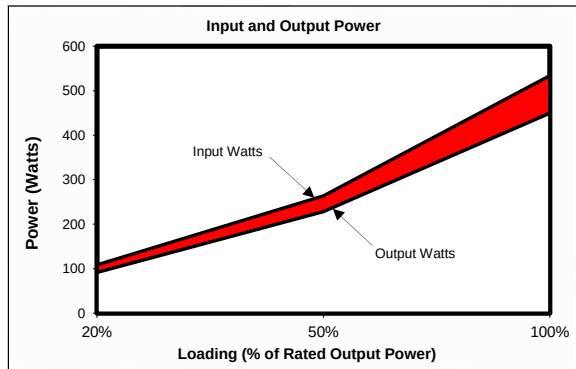
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	6-3	Amps
Input Frequency	50-60	Hz
Rated Output Power	450	Watts

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



Input AC Current Waveform (I_{THD} = 5.3%, 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		
0.57	0.90	17.04%	10%	58.69	12.15/3	11.83/0.03	3.34/0.93	5.14/0.93	5.12/0.21	45.81	78.04%
0.98	0.96	11.74%	20%	108.72	12.14/6	11.92/0.05	3.34/1.85	5.14/1.84	5.11/0.43	91.38	84.05%
2.31	0.99	5.30%	50%	263.77	12.1/15.05	11.95/0.13	3.34/4.64	5.14/4.6	5.08/1.07	228.18	86.51%
4.66	1.00	5.08%	100%	533.88	11.94/29.96	11.98/0.26	3.33/9.3	5.11/9.18	5.02/2.14	449.64	84.22%



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/>

