

80 PLUS Verification and Testing Report

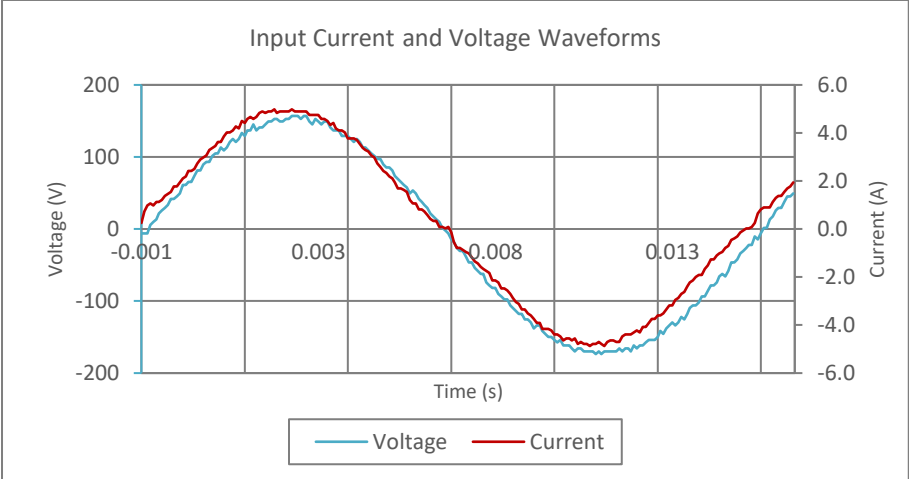
TYPICAL EFFICIENCY (50% Load):	86.63%
AVERAGE EFFICIENCY :	85.17%
80 PLUS COMPLIANT:	YES



ID Number	5442
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SSR-650GB3
Serial Number	N/A
Year	2018
Type	ATX12V, EPS12V
Test Date	12/6/18

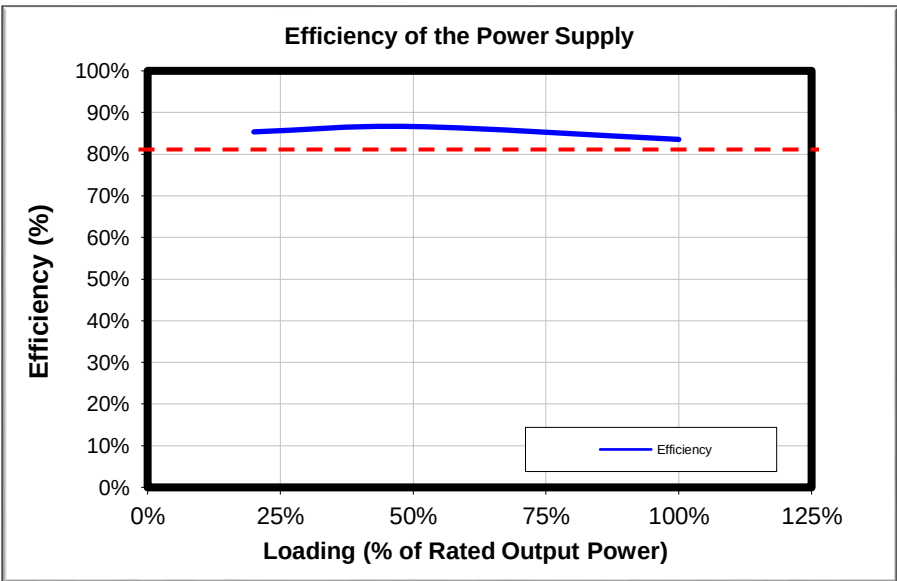
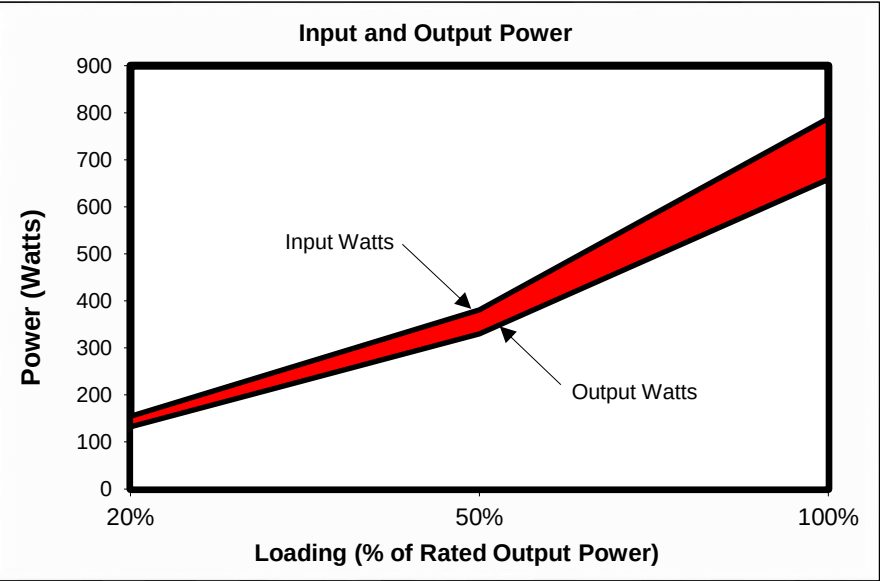
Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.03%, 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		
0.76	0.95	16.47%	10%	82.38	12.15/4.59	12.01/0.03	3.35/1.02	5.15/1.02	5.11/0.21	65.88	79.97%
1.37	0.99	4.58%	20%	155.05	12.15/9.23	12.1/0.05	3.34/2.05	5.15/2.04	5.1/0.43	132.33	85.34%
3.33	1.00	5.03%	50%	381.40	12.13/23.09	12.12/0.13	3.34/5.12	5.14/5.08	5.08/1.06	330.41	86.63%
6.87	1.00	5.62%	100%	788.10	12.1/46.11	12.15/0.26	3.34/10.26	5.14/10.15	5.03/2.13	658.33	83.53%



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/>

