

80 PLUS Verification and Testing Report

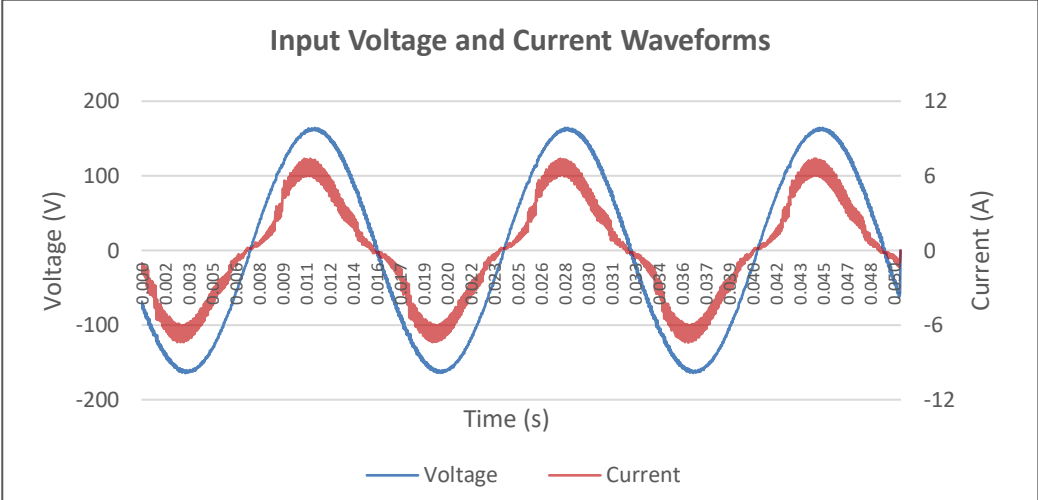
TYPICAL EFFICIENCY (50% Load):	91.43%
AVERAGE EFFICIENCY :	87.83%
80 PLUS COMPLIANT:	Gold



ID Number	7565.1
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SRP-CGC851-A5A32SF
Serial Number	N/A
Type	ATX 3.1
Test Date	9/24/24

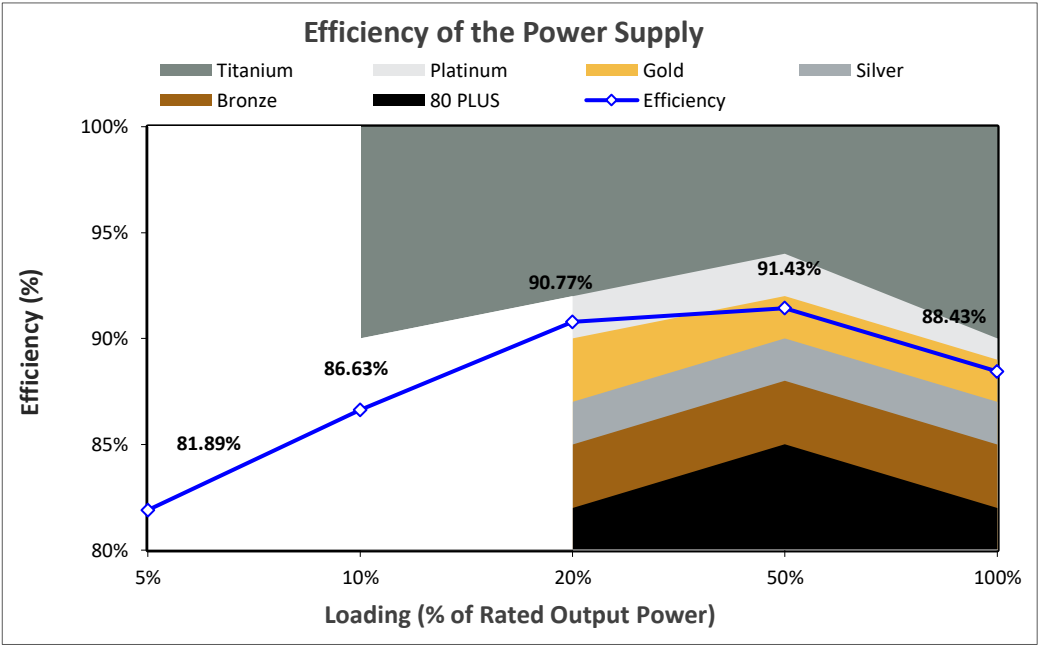
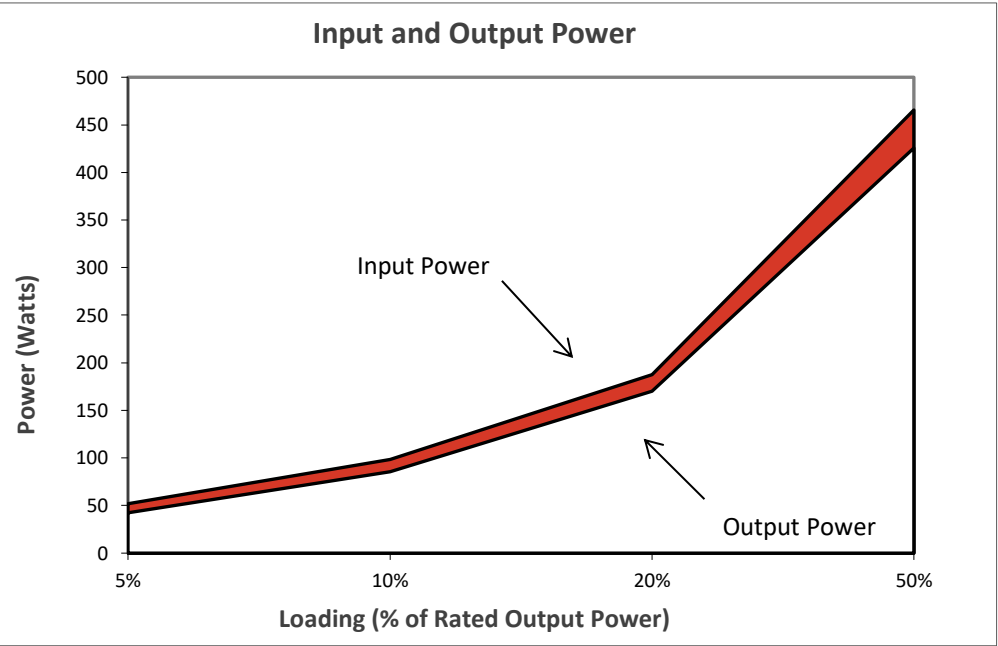
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5.5	Amps
Input Frequency	50-60	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (ITHD = 19.25%, 50% Load)

I _{RMS} (A)	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		
0.104	0.3302	18.60	0%	3.95	No-Load						
0.499	0.9043	31.98	5%	51.86	11.98/3.11	11.72/0.013	3.32/0.53	5.03/0.53	5.05/0.133	42.47	81.89%
0.912	0.9401	25.59	10%	98.56	12.05/6.21	11.72/0.027	3.33/1.07	5.04/1.07	5.05/0.266	85.38	86.63%
1.704	0.9577	22.86	20%	187.76	12.02/12.42	11.72/0.053	3.33/2.14	5.04/2.14	5.03/0.532	170.43	90.77%
4.151	0.9757	19.25	50%	465.59	12.01/31.04	11.71/0.133	3.33/5.34	5.04/5.34	4.99/1.33	425.67	91.43%
8.470	0.9873	13.63	100%	961.40	12/62.07	11.7/0.266	3.32/10.68	5.03/10.68	4.91/2.66	850.14	88.43%



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/>