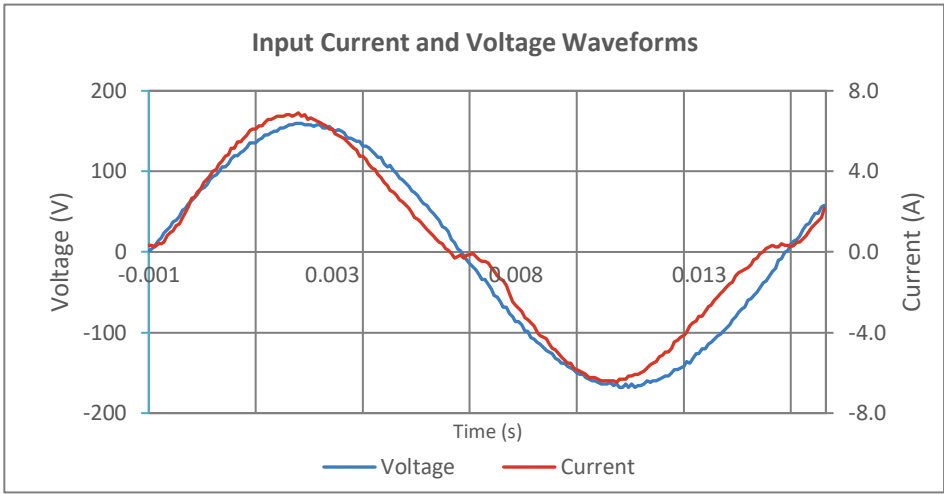


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	90.18%
AVERAGE EFFICIENCY :	87.03%
80 PLUS COMPLIANT:	Gold



ID Number	6897
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	12851GXAFS (VERTEX GX-850)
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	10/21/22

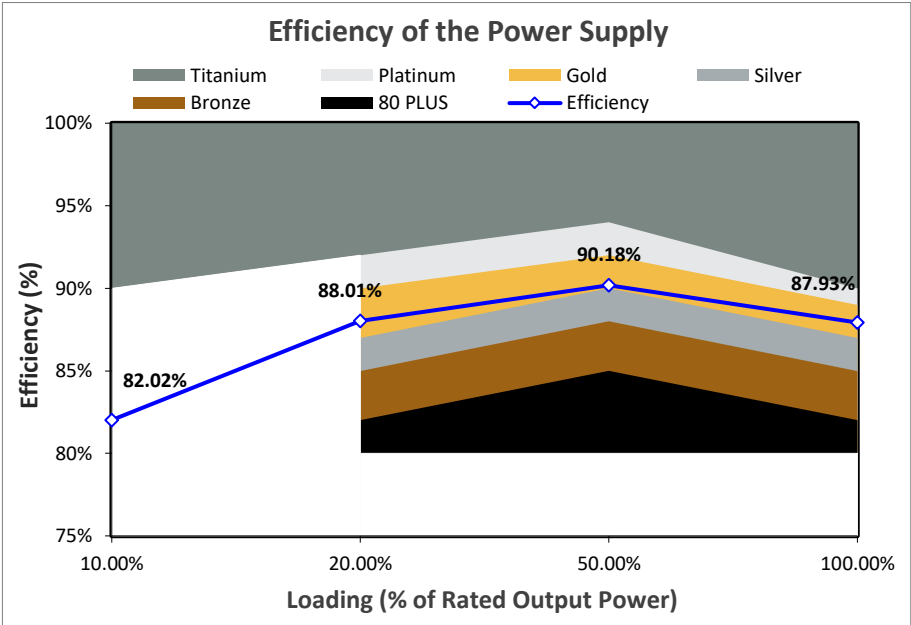
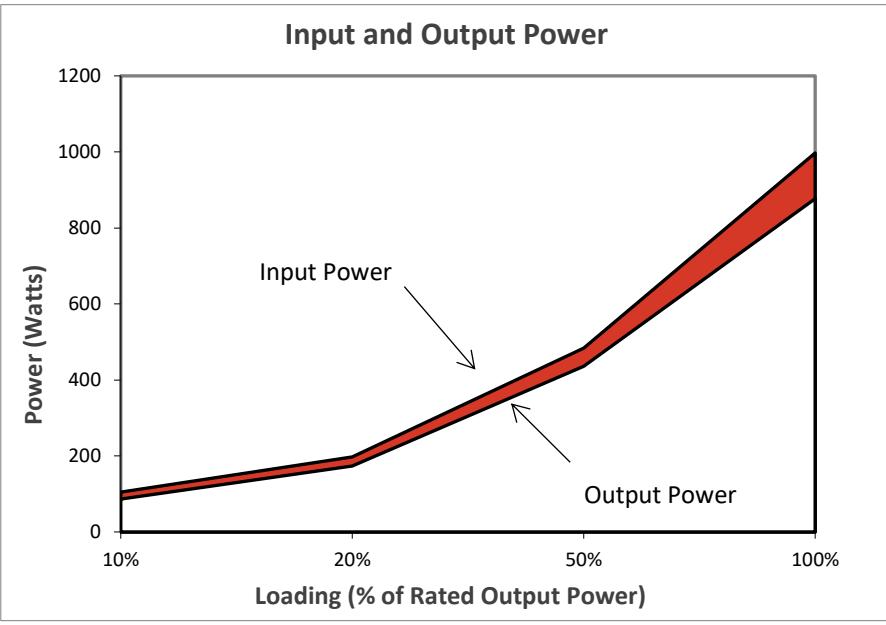


Input AC Current Waveform (ITHD = 14.24%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240/200-240	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.

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
1.010	0.9074	14.23%	10%	105.42	12.2/6.21	11.9/0.03	3.32/1.07	5.03/1.07	5.12/0.27	86.46	82.02%
1.826	0.9372	14.95%	20%	196.86	12.23/12.43	11.91/0.05	3.32/2.14	5.03/2.14	5.11/0.53	173.26	88.01%
4.318	0.9738	14.24%	50%	483.50	12.29/31.18	11.9/0.13	3.32/5.34	5.03/5.29	5.09/1.33	436.02	90.18%
8.769	0.9885	10.92%	100%	997.20	12.37/62.21	0/0.27	3.32/10.69	5.03/10.57	5.05/2.66	876.82	87.93%



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/>