

80 PLUS Verification and Testing Report

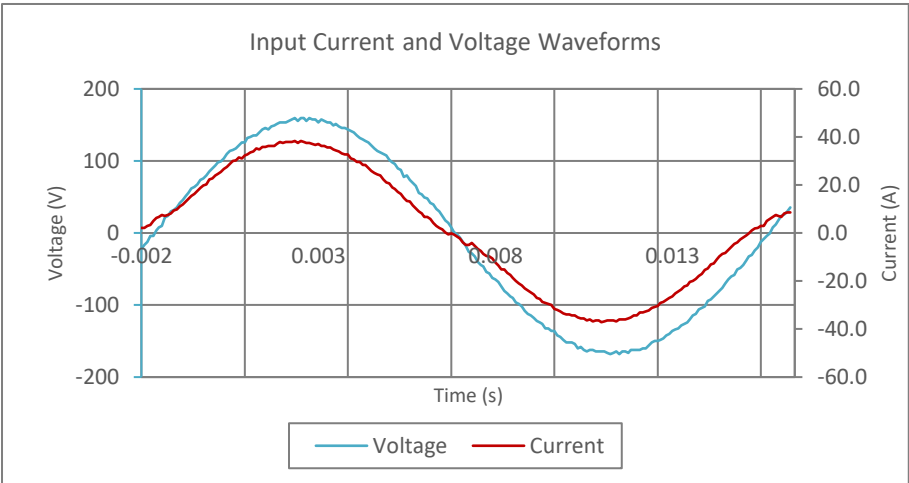
TYPICAL EFFICIENCY (50% Load):	86.51%
AVERAGE EFFICIENCY :	85.26%
80 PLUS COMPLIANT:	YES



ID Number	6089
Manufacturer	Sea Sonic Electronics Co.,Ltd
Model Number	SSP-500ES2
Serial Number	N/A
Year	2020
Type	ATX12V,EPS12V
Test Date	9/11/20

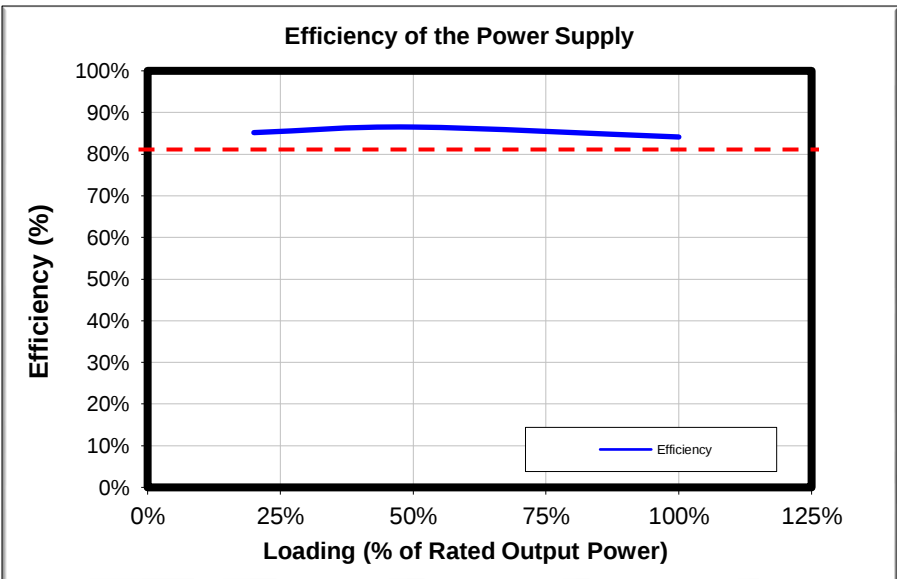
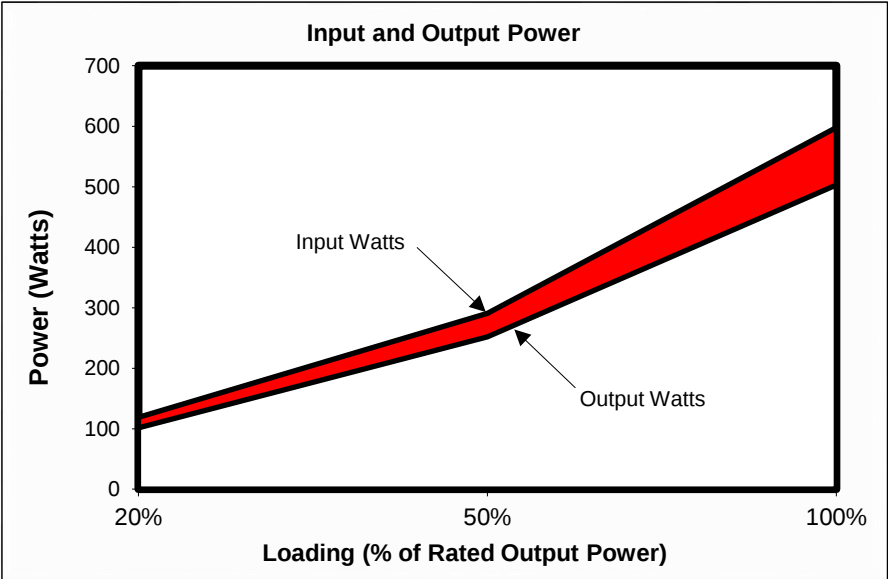
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 6.55%, 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		
0.58	0.94	14.67%	10%	63.16	12.07/3.16	11.45/0.02	3.31/1.3	5.05/1.3	5.12/0.21	50.29	79.62%
1.05	0.98	9.55%	20%	118.48	12.06/6.34	11.54/0.05	3.31/2.6	5.05/2.59	5.11/0.42	100.91	85.17%
2.54	0.99	6.55%	50%	290.60	12.03/15.85	11.88/0.12	3.31/6.5	5.05/6.44	5.08/1.04	251.39	86.51%
5.21	1.00	6.13%	100%	597.70	12.03/31.68	12.13/0.25	3.31/13.03	5.04/12.88	5.02/2.08	502.77	84.12%



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/>

