

80 PLUS Verification and Testing Report

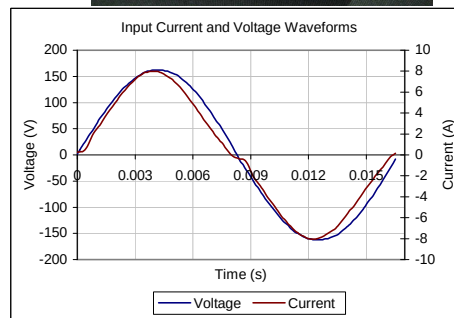
TYPICAL EFFICIENCY (50% Load):	86.19%
AVERAGE EFFICIENCY :	84.45%
80 PLUS COMPLIANT:	YES



Ecos ID #	1346
Manufacturer	SEA SONIC ELECTRONICS CO., LTD.
Model Number	SS-500ES
Serial Number	CO02A20760014
Year	2009
Type	ATX12V
Test Date	3/10/2009

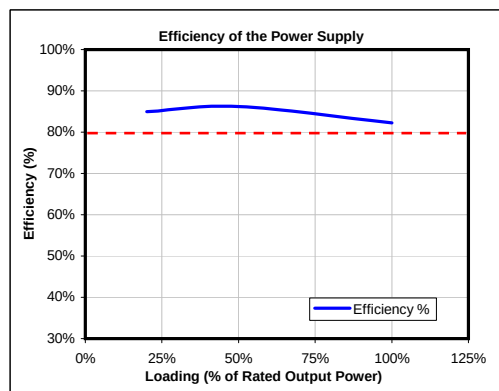
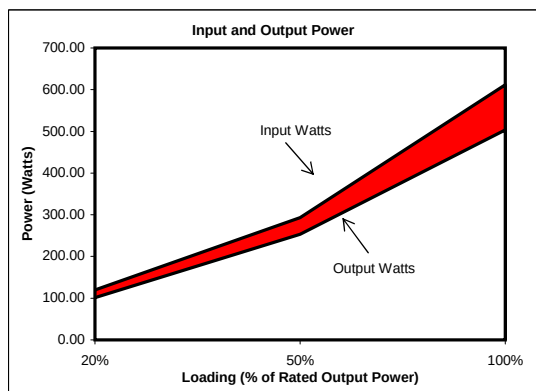
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	9	Amps
Input Frequency	50/60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (THD = 15.08%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of 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		
1.06	0.9768	21.17%	20%	Light	119.39	12.2/6.1	11.4/0.1	3.4/2.8	5/2.8	5/0.5	101.41	84.94%
2.59	0.9849	15.08%	50%	Typical	293.50	12.1/15.2	11.4/0.4	3.4/7	5/7	5/1.2	252.96	86.19%
5.36	0.9927	10.51%	100%	Full	612.10	12.1/30.4	11.5/0.7	3.4/13.9	5/13.9	5/2.2	503.32	82.23%



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/>

