

80 PLUS Verification and Testing Report

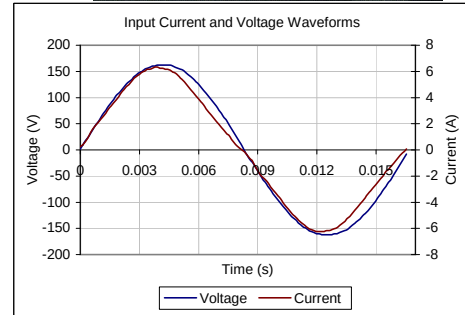
TYPICAL EFFICIENCY (50% Load):	85.82%
AVERAGE EFFICIENCY :	83.93%
80 PLUS COMPLIANT:	YES



Ecos ID #	1344
Manufacturer	SEA SONIC ELECTRONICS CO., LTD.
Model Number	SS-400ES
Serial Number	CN07A62060739
Year	2009
Type	ATX12V
Test Date	3/10/2009

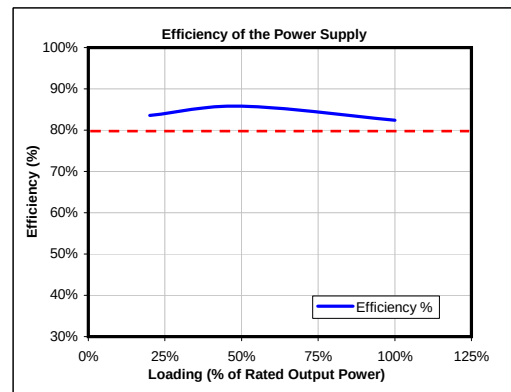
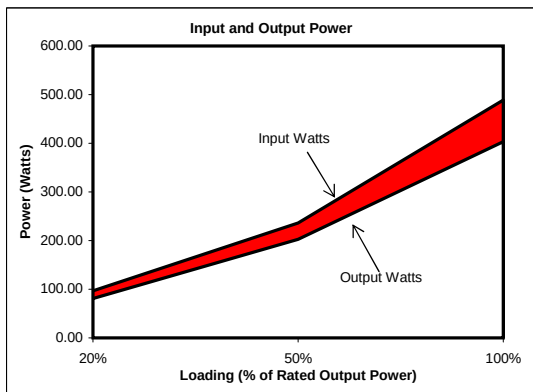
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50/60	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform (THD = 7.51%, 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		
0.86	0.9806	12.03%	20%	Light	97.00	12.2/4.7	11.5/0.1	3.4/2.4	5/2.4	5/0.4	81.04	83.55%
2.07	0.9904	7.51%	50%	Typical	236.24	12.2/11.8	11.4/0.3	3.4/6.1	5/6.1	5/1	202.73	85.82%
4.27	0.9952	7.43%	100%	Full	489.10	12.1/23.5	11.5/0.6	3.4/12.2	5/12.1	5/2	403.17	82.43%



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/>

