

80 PLUS Verification and Testing Report

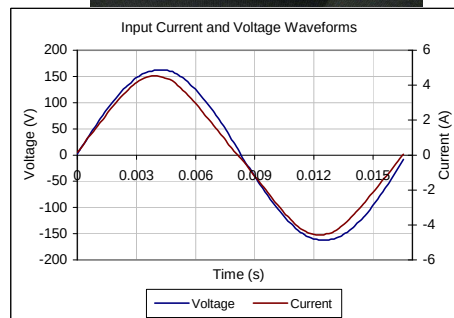
TYPICAL EFFICIENCY (50% Load):	85.35%
AVERAGE EFFICIENCY :	83.57%
80 PLUS COMPLIANT:	YES



Ecos ID #	1340
Manufacturer	SEA SONIC ELECTRONICS CO., LTD.
Model Number	SS-300ES
Serial Number	CO02A20760009
Year	2009
Type	ATX12V
Test Date	3/9/2009

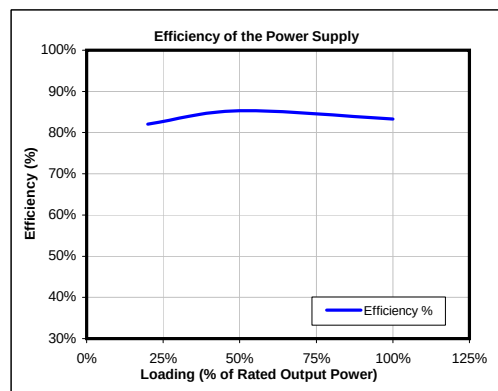
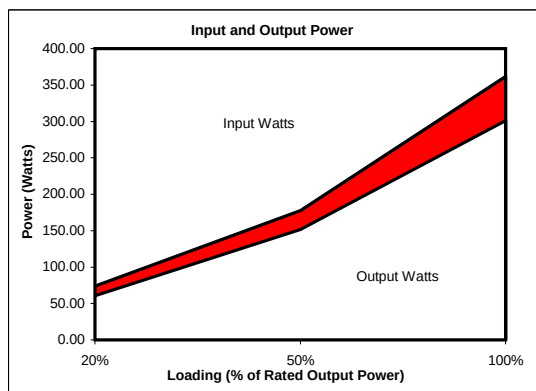
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50/60	Hz
Rated Output Power	300	Watts

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



Input AC Current Waveform (I_{THD} = 6.69%, 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		
0.65	0.9862	8.57%	20%	Light	73.72	12.1/3.3	11.5/0.1	3.4/1.9	5/2.1	5/0.4	60.50	82.07%
1.55	0.9933	6.69%	50%	Typical	177.64	12.1/8.4	11.4/0.3	3.4/4.7	5/5.2	5/0.9	151.62	85.35%
3.15	0.9975	5.21%	100%	Full	361.80	12.1/16.8	11.4/0.6	3.4/9.4	5/10.4	5/1.7	301.31	83.28%



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/>

