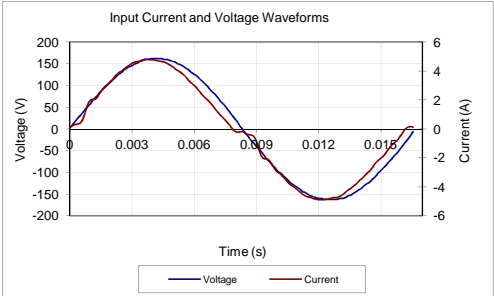


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.98%
AVERAGE EFFICIENCY :	84.37%
80 PLUS COMPLIANT:	YES



Ecos ID #	2830
Manufacturer	Sea Sonic Electronics Co., Ltd.
Model Number	SS-650AM
Serial Number	N/A
Year	2011
Type	ATX12V,EPS12V
Test Date	10/21/2011

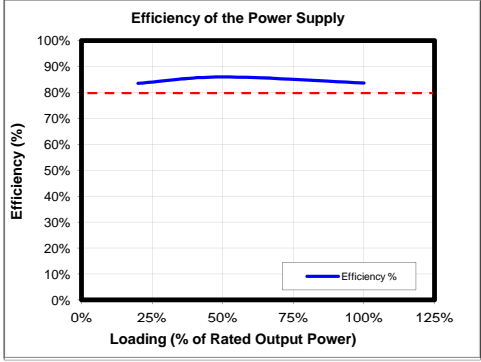
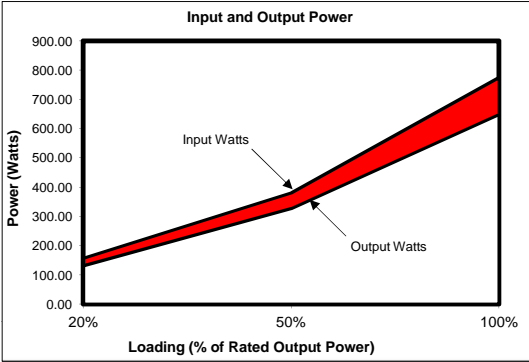


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 9.43%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)				Output Watts	Efficiency %	
						12V (cumulative of 12V1, 12V2, etc.)						
1.39	0.98	16.03%	20%	Light	157.08	12.1/8.6	11.9/0.1	3.4/2.9	5.1/2.9	5.1/0.5	131.14	83.49%
3.33	0.99	9.43%	50%	Typical	380.40	12/21.4	11.9/0.2	3.3/7.3	5/7.3	5/1.2	327.07	85.98%
6.76	1.00	5.53%	100%	Full	776.00	12/42.7	11.9/0.4	3.4/14.4	5/14.5	5/2.4	648.99	83.63%



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/>

