

80 PLUS Verification and Testing Report

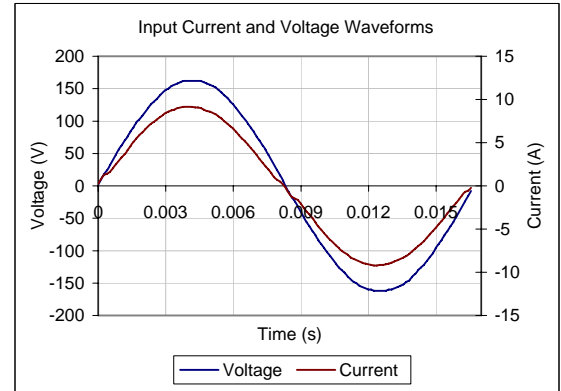
TYPICAL EFFICIENCY (50% Load):	90.32%
AVERAGE EFFICIENCY :	88.94%
80 PLUS COMPLIANT:	YES



Ecos ID #	1093
Manufacturer	SEASONIC
Model Number	SS-650KM
Serial Number	NA
Year	2008
Type	ATX12V/EP12V
Test Date	10/30/2008

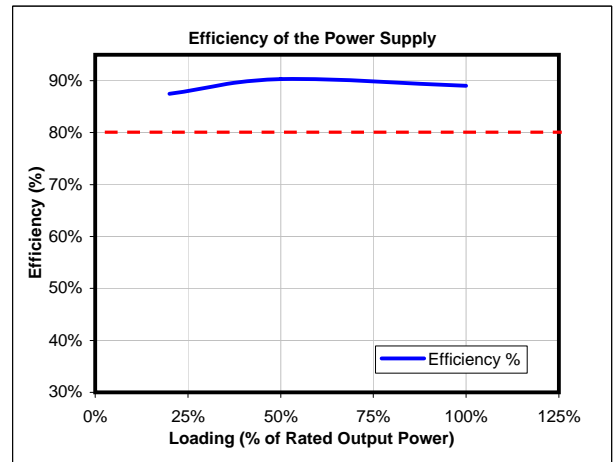
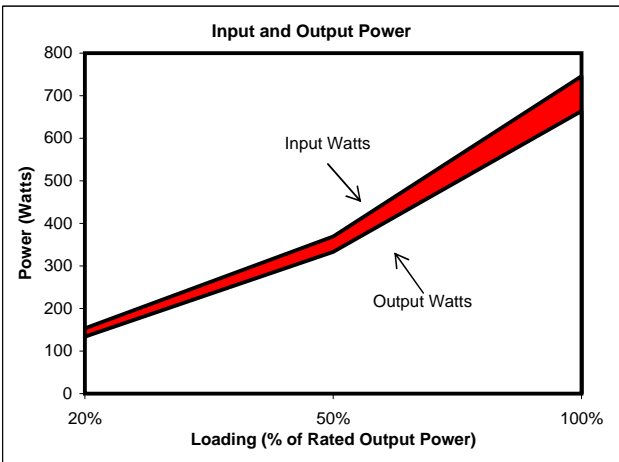
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	50-60	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 5.19%, 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		
1.35	0.99	9.3%	20%	Light	153	12.3/8.8	11.8/0.2	3.4/2.4	5.2/2.4	5/0.5	134	87.46%
3.22	1.00	5.2%	50%	Typical	369	12.3/22	11.9/0.4	3.4/6.1	5.2/6.1	5/1.2	333	90.32%
6.49	1.00	3.7%	100%	Full	746	12.2/44	12.2/0.8	3.3/12.2	5.2/12.2	5/2.4	664	89.03%



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/>

