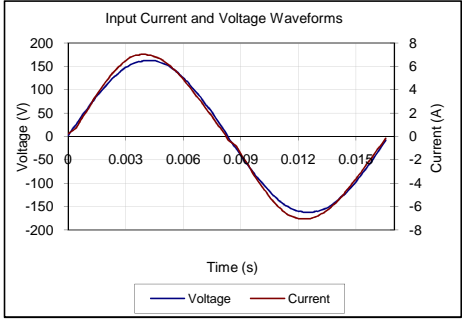


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	84.41%
AVERAGE EFFICIENCY :	82.41%
80 PLUS COMPLIANT:	YES



Ecos ID #	1348
Manufacturer	SEASONIC
Model Number	SS-460H1U
Serial Number	CO02A104500009
Year	2009
Type	1U
Test Date	3/11/2009

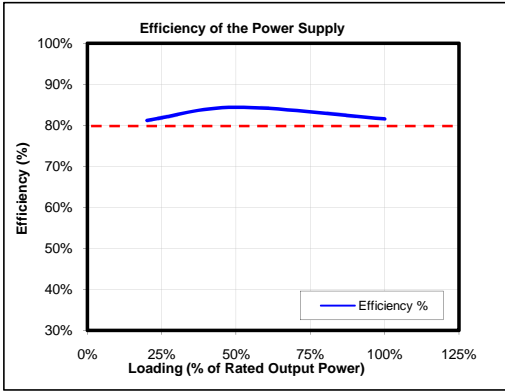
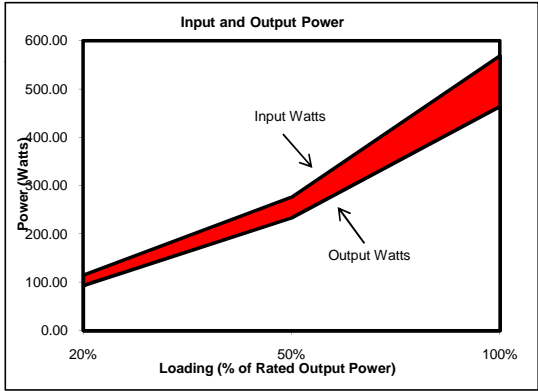


Input AC Current Waveform (ITHD = 6.78%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50/60	Hz
Rated Output Power	460	Watts

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

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		
1.02	0.9835	10.40%	20%	Light	115.02	12.2/5.6	12.2/0.1	3.4/2.5	5.1/2.6	5/0.5	93.42	81.22%
2.41	0.9962	6.78%	50%	Typical	276.40	12.2/13.9	12.1/0.3	3.4/6.2	5.1/6.5	5/1.2	233.32	84.41%
4.95	0.9987	4.81%	100%	Full	568.80	12.1/27.8	12.2/0.6	3.4/12.4	5/13	4.9/2.5	464.04	81.58%



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/>

