

80 PLUS Verification and Testing Report

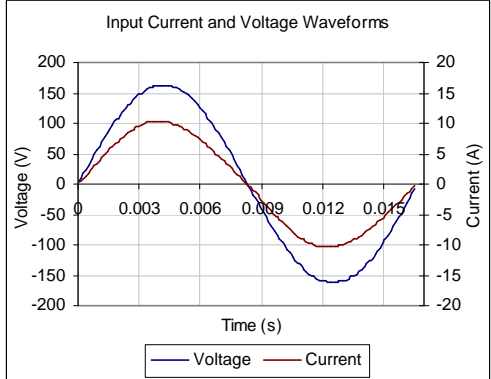
TYPICAL EFFICIENCY (50% Load):	84.78%
AVERAGE EFFICIENCY :	82.83%
80 PLUS COMPLIANT:	YES



Ecos ID #	75
Manufacturer	Seasonic
Model Number	SS-700HM
Serial Number	CL05A40340021
Year	2006
Type	ATX12V
Test Date	8/23/2006

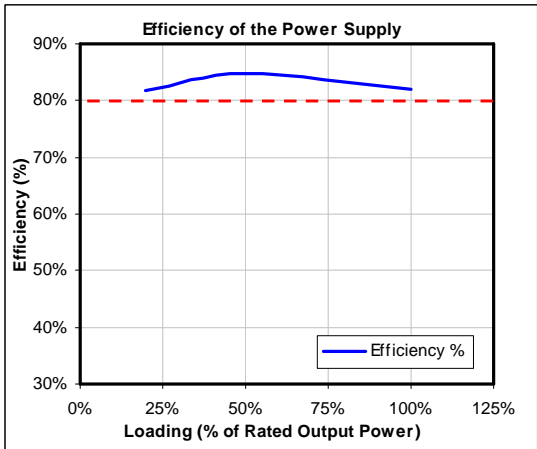
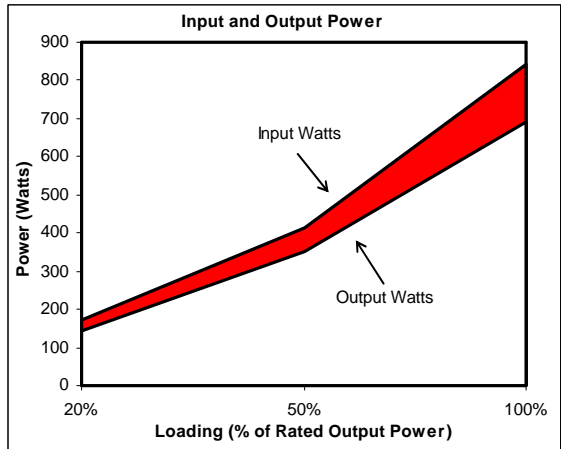
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	12	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	700	Watts

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



Input AC Current Waveform (ITHD = 4.39%, 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 %
						12V1	12V2	12V3	12V4	-12V	3.3V	5V*	5VSB		
1.56	0.97	7.4%	20%	Light	173	12.1/2.3	12.1/2.3	12.1/2.3	12.1/2.3	12.1/0.1	3.4/2.9	5.2/3.6	5.1/0.5	142	81.79%
3.63	0.99	4.4%	50%	Typical	414	12/5.6	12/5.6	12/5.6	12/5.6	12.1/0.3	3.3/7.2	5/9	5.1/1.2	351	84.78%
7.35	1.00	3.5%	100%	Full	844	11.9/11.3	11.9/11.3	11.9/11.3	11.9/11.3	12.2/0.7	3.3/14.4	4.9/17.9	5/2.4	692	81.91%



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/>

