

80 PLUS Verification and Testing Report

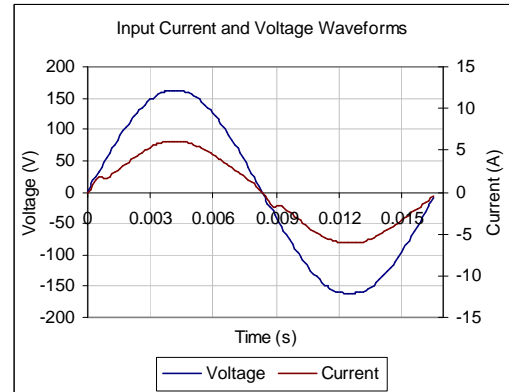
TYPICAL EFFICIENCY (50% Load):	84.50%
AVERAGE EFFICIENCY :	82.60%
80 PLUS COMPLIANT:	YES



Ecos ID #	70
Manufacturer	SilverStone Technology
Model Number	SST-ST40EF
Serial Number	62100679
Year	2006
Type	ATX12V
Test Date	8/1/2006

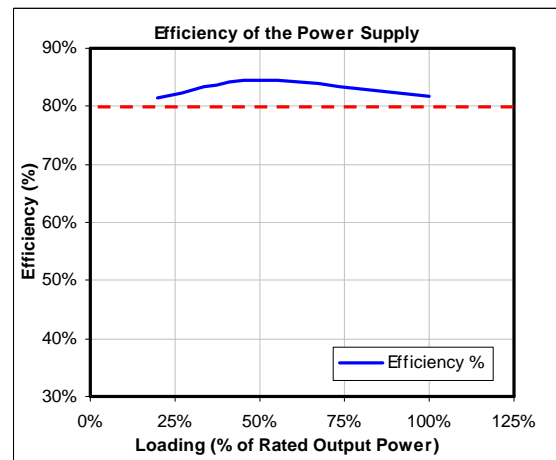
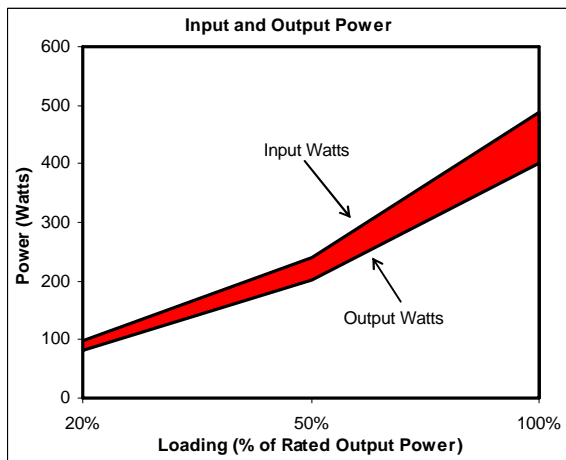
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	8 - 4	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	400	Watts

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



Input AC Current Waveform ($I_{THD} = 5.8\%$, 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	-12V	3.3V	5V*	5VSB		
0.89	0.98	6.2%	20%	Light	100	12.2/2.3	12.2/2.6	11.8/0.04	3.3/2.8	5.0/1.9	5.0/0.4	81	81.55%
2.80	1.00	5.8%	50%	Typical	239	12.2/5.7	12.2/6.5	11.8/0.1	3.3/6.9	5.0/4.8	5.0/1.1	202	84.50%
4.26	1.00	5.8%	100%	Full	489	12.1/11.5	12.1/12.9	12.0/0.2	3.3/13.7	4.9/9.6	4.9/2.2	400	81.76%



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/>

