

80 PLUS Verification and Testing Report

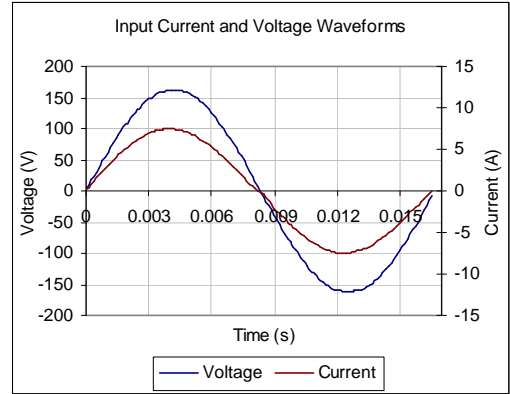
TYPICAL EFFICIENCY (50% Load):	85.47%
AVERAGE EFFICIENCY :	83.66%
80 PLUS COMPLIANT:	YES



Ecos ID #	76
Manufacturer	Seasonic
Model Number	SS-500ET
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	8/10/2006

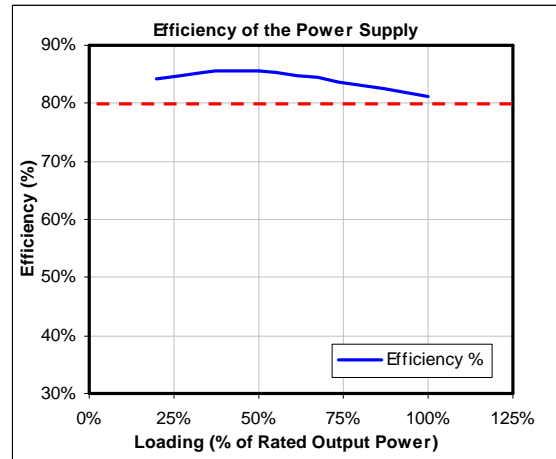
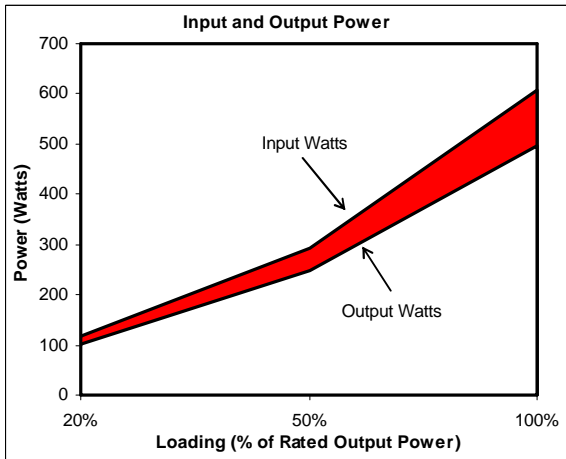
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	7	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform ($I_{THD} = 4.3\%$, 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		
1.05	0.99	9.4%	20%	Light	119	12.2/3.0	12.2/3.0	12.3/0.1	3.3/2.8	5.0/2.8	5.0/0.4	100	84.26%
2.55	1.00	4.3%	50%	Typical	292	12.0/7.6	12.0/7.6	12.1/0.4	3.2/7.0	4.9/7.0	5.0/1.1	250	85.47%
5.30	1.00	2.6%	100%	Full	609	11.9/15.2	12.0/15.2	12.3/0.7	3.2/14.0	4.8/13.9	4.9/2.2	495	81.25%



These tests were conducted as a part of the 80 PLUS program. 80 PLUS is a computer buy-down program to promote high-efficiency power supplies (greater than 80% efficiency in the active mode) in desktop computers and desktop-derived servers.



Tested by EPRI Solutions Inc., Knoxville, TN.