

# 80 PLUS Verification and Testing Report

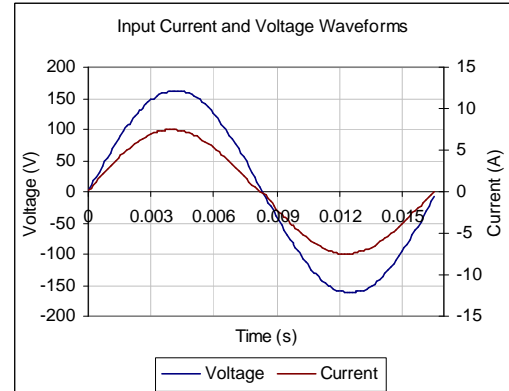
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.47%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>83.66%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	91
<b>Manufacturer</b>	Seasonic
<b>Model Number</b>	SS-500GB
<b>Serial Number</b>	N/A
<b>Year</b>	2006
<b>Type</b>	ATX12V
<b>Test Date</b>	8/11/2006

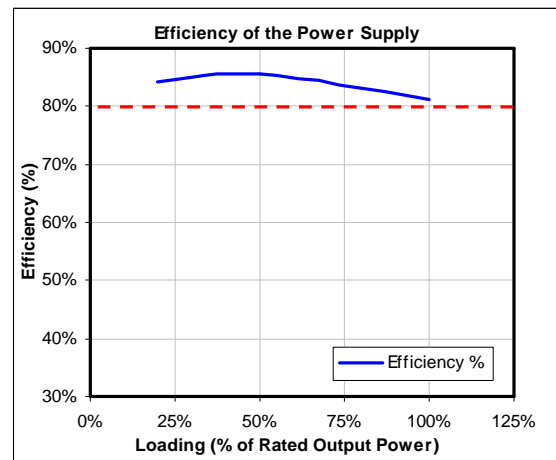
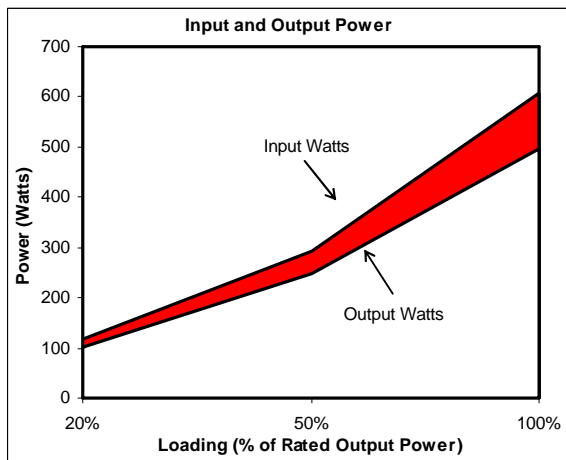
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	7	Amps
Input Frequency	60 - 50	Hz
<b>Rated Output Power</b>	<b>500</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 4.31%, 50% Load)

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	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	12.1/3	12.1/3	12.3/0.1	3.3/2.8	5/2.8	5/0.5	100	84.26%
2.55	1.00	4.3%	50%	Typical	292	12/7.6	12/7.6	12.1/0.4	3.3/7	4.9/7	5/1.1	250	85.47%
5.30	1.00	2.6%	100%	Full	609	12/15.2	12/15.2	12.3/0.7	3.2/14	4.8/14	4.9/2.2	495	81.25%



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/>

