

# 80 PLUS Verification and Testing Report

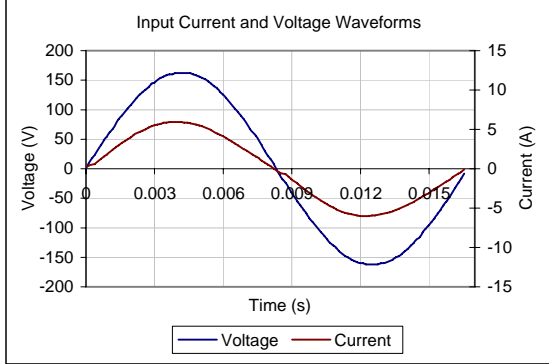
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.36%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.50%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	423
<b>Manufacturer</b>	Seasonic
<b>Model Number</b>	SS-400H1U
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	1U
<b>Test Date</b>	10/29/2007

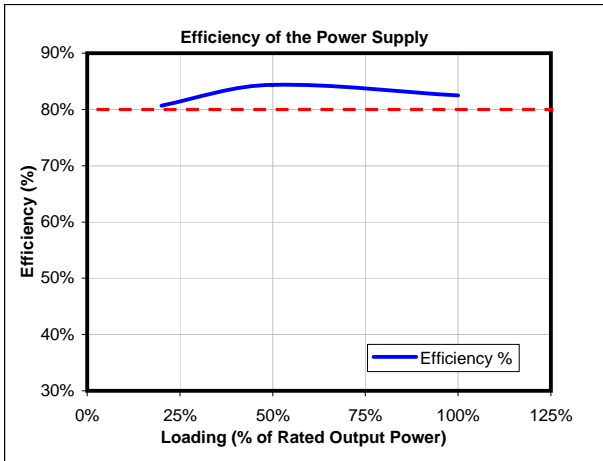
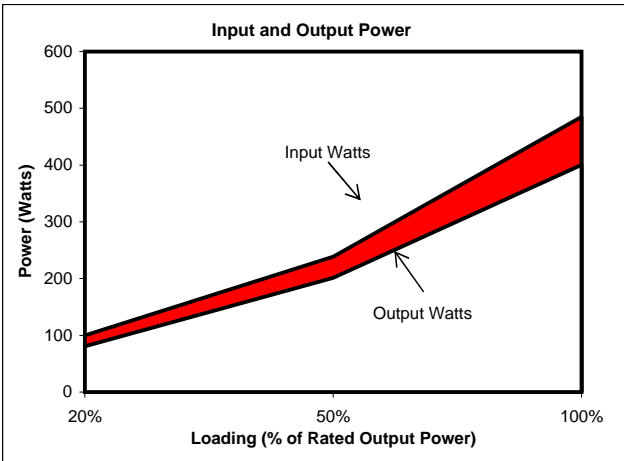
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	7	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 5.7%, 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 %	
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*			5VSB
0.89	0.98	9.6%	20%	Light	100	12.2/4.6	12.2/0.2	3.3/2.4	5/2.5	4.9/0.5	81	80.66%
2.08	1.00	5.7%	50%	Typical	239	12.1/11.5	12.3/0.4	3.3/6	5/6.3	4.9/1.2	201	84.36%
4.22	1.00	4.5%	100%	Full	485	12.1/23	12.4/0.8	3.2/12	4.9/12.6	4.8/2.5	400	82.48%



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 Electric Power Research Institute, Knoxville, TN.