

# 80 PLUS Verification and Testing Report

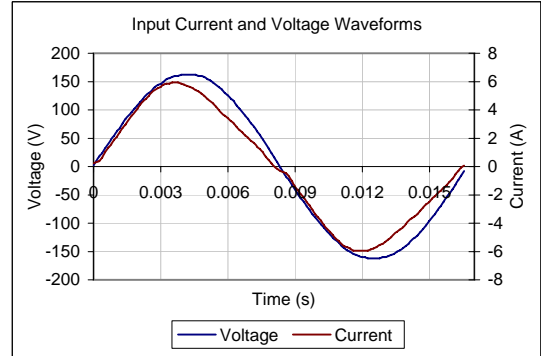


<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>84.05%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>

<b>Ecos ID #</b>	1239
<b>Manufacturer</b>	SEASONIC
<b>Model Number</b>	S12II-380Bronze
<b>Serial Number</b>	N/A
<b>Year</b>	2009
<b>Type</b>	ATX12V
<b>Test Date</b>	1/9/2009

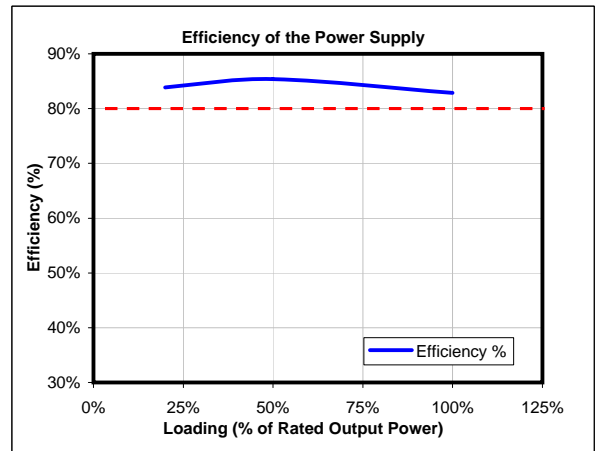
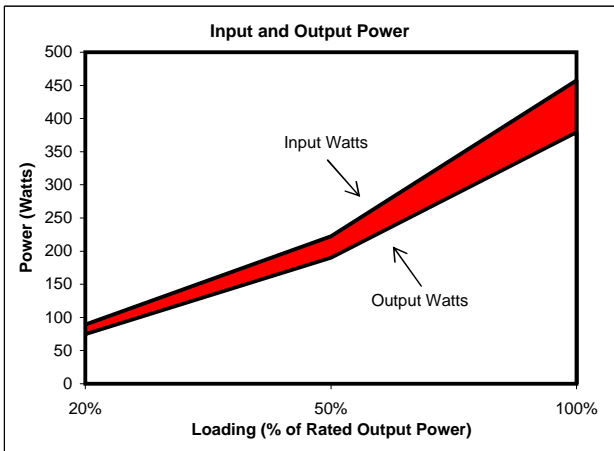
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	6	Amps
Input Frequency	50/60	Hz
<b>Rated Output Power</b>	<b>380</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 10.46%, 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		
0.79	0.98	143.3%	20%	Light	89	12/4.3	11.3/0.1	3.3/2.5	5/2.5	5/0.1	75	83.88%
1.96	0.99	10.5%	50%	Typical	223	12/10.8	11.3/0.3	3.3/6.2	5/6.2	5/1	190	85.40%
4.01	0.99	8.9%	100%	Full	458	12/21.6	11.3/0.6	3.3/12.4	4.9/12.4	4.9/2	379	82.85%



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/>

