

# 80 PLUS Verification and Testing Report

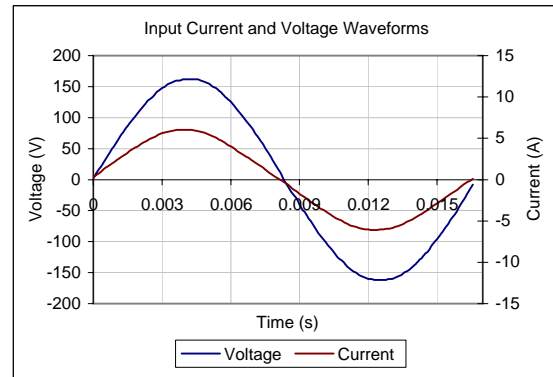
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>84.40%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.33%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	664.1
<b>Manufacturer</b>	IKONIK
<b>Model Number</b>	IP-G400A-CBAA
<b>Serial Number</b>	NA
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	4/23/2008

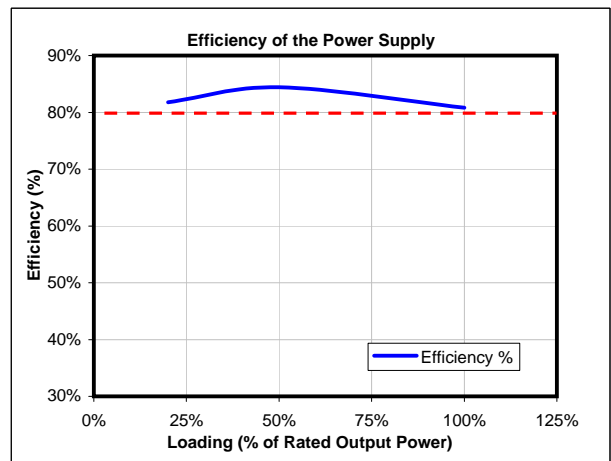
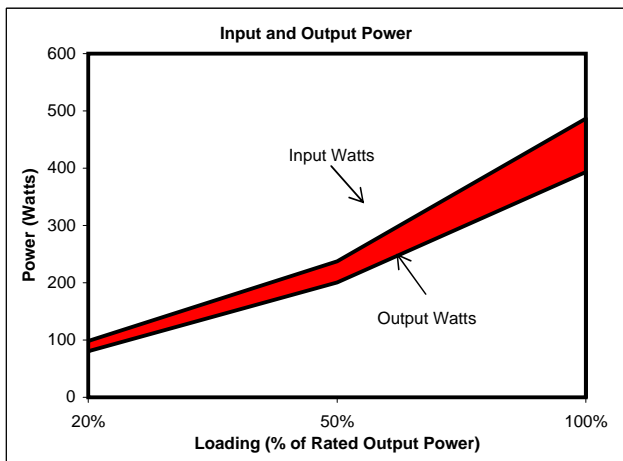
<b>Rated Specifications</b>	<b>Value</b>	<b>Units</b>
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>400</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 6.12%, 50% Load)

<b>I<sub>RMS</sub> A</b>	<b>PF</b>	<b>I<sub>THD</sub> (%)</b>	<b>Load (%)</b>	<b>Fraction of Load</b>	<b>Input Watts</b>	<b>DC Terminal Voltage (V)/ DC Load Current (A)</b>					<b>Output Watts</b>	<b>Efficiency %</b>
						<b>12V (cumulative of 12V1, 12V2, etc.)</b>	<b>-12V</b>	<b>3.3V</b>	<b>5V*</b>	<b>5VSB</b>		
0.87	0.98	7.1%	20%	Light	99	12.1/4.9	12.2/0	3.3/2.9	5/1.8	5.1/0.5	81	81.76%
2.08	0.99	6.1%	50%	Typical	237	12/12.2	12.3/0.1	3.3/7.3	5/4.6	5.1/1.2	200	84.40%
4.24	1.00	1.0%	100%	Full	486	11.8/24.3	12.5/0.2	3.2/14.5	4.9/9.1	5/2.3	393	80.83%



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/>

