

# 80 PLUS Verification and Testing Report

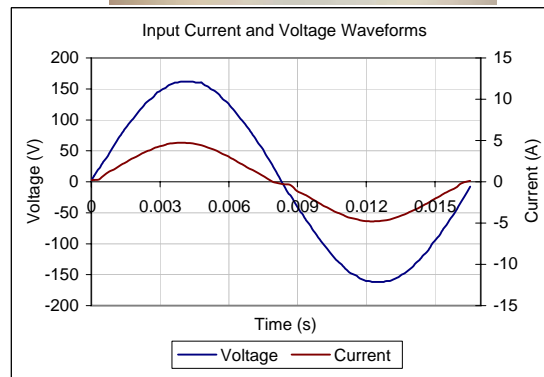
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>83.36%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>81.51%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	328.1
<b>Manufacturer</b>	Sparkle Power Inc
<b>Model Number</b>	SPI300GLN
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX
<b>Test Date</b>	8/29/2007

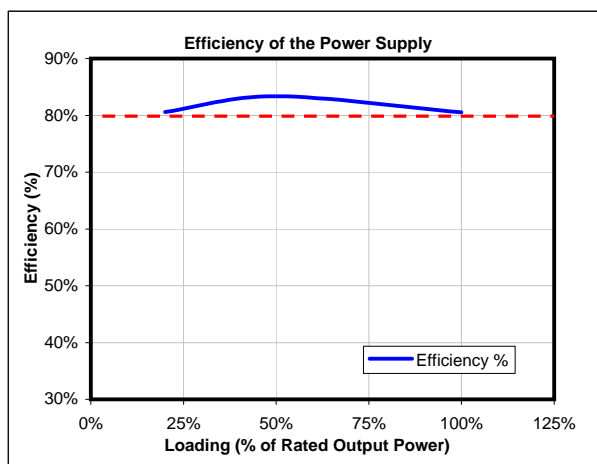
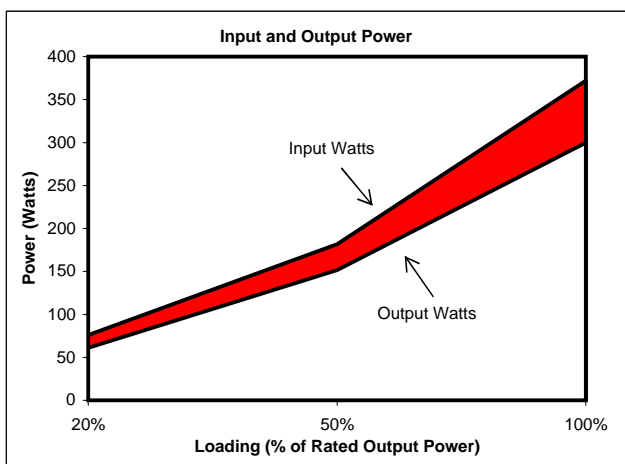
<b>Rated Specifications</b>	<b>Value</b>	<b>Units</b>
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 13.34%, 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>
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
0.68	0.98	18.8%	20%	Light	76	12.3/3.7	11.7/0.1	3.3/1.7	5.1/1.7	5/0.3	61	80.60%
1.60	0.99	13.3%	50%	Typical	182	12.2/9.2	11.7/0.1	3.2/4.1	5/4.1	5/0.7	152	83.36%
3.25	1.00	8.4%	100%	Full	372	12/18.4	11.7/0.3	3.2/8.3	5/8.3	4.9/1.4	300	80.56%



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/>

