

# 80 PLUS Verification and Testing Report

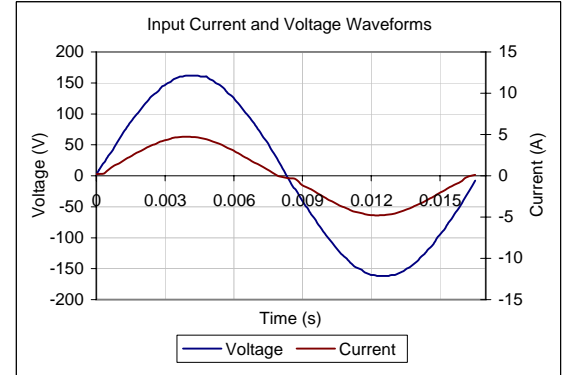
**TYPICAL EFFICIENCY (50% Load):** 83.36%  
**AVERAGE EFFICIENCY :** 81.51%  
**80 PLUS COMPLIANT:** YES



<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

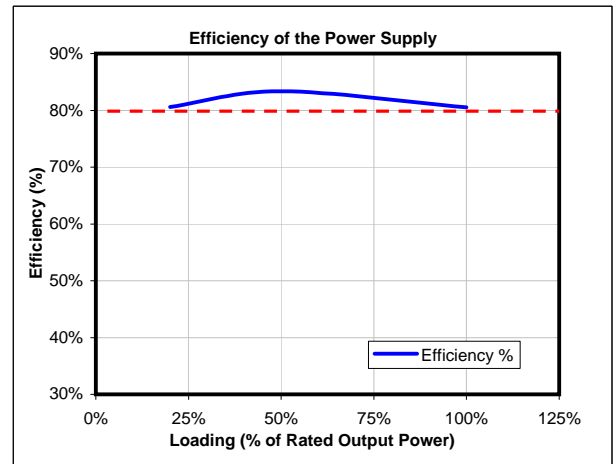
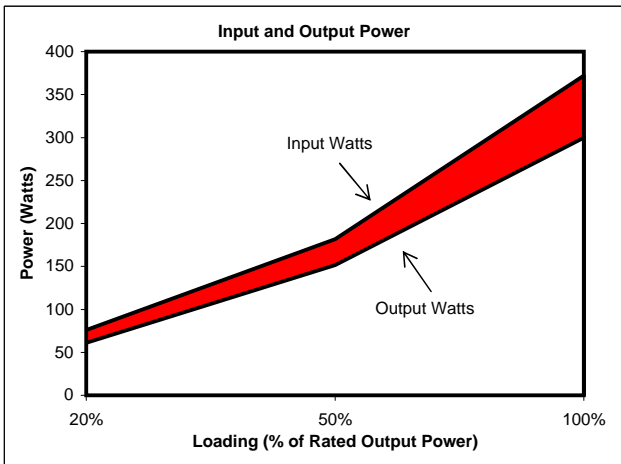
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	5	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>300</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 13.34%, 50% Load)

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		
0.68	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 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.