

# 80 PLUS Verification and Testing Report

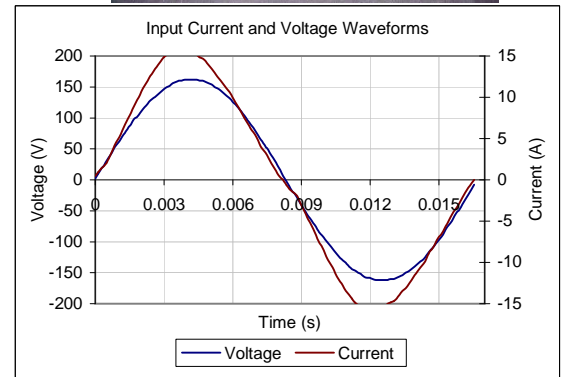
<b>TYPICAL EFFICIENCY (50% Load):</b>	<b>85.27%</b>
<b>AVERAGE EFFICIENCY :</b>	<b>82.94%</b>
<b>80 PLUS COMPLIANT:</b>	<b>YES</b>



<b>Ecos ID #</b>	382
<b>Manufacturer</b>	AKASA
<b>Model Number</b>	AK-P100FG
<b>Serial Number</b>	NA
<b>Year</b>	2007
<b>Type</b>	ATX12V
<b>Test Date</b>	10/2/2007

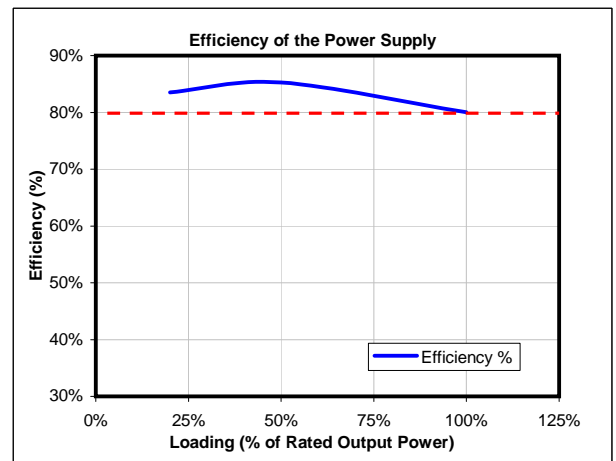
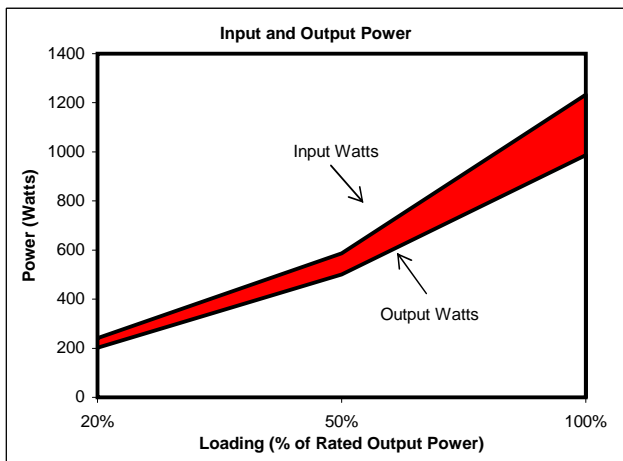
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	15	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1000</b>	<b>Watts</b>

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



Input AC Current Waveform (ITHD = 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		
2.11	0.99	8.5%	20%	Light	241	12.1/13.2	11.6/0.1	3.3/4	5.1/4.9	5/0.6	201	83.54%
5.12	1.00	7.0%	50%	Typical	586	12/33.1	11.6/0.2	3.3/10.1	5/12.1	5/1.4	500	85.27%
10.78	1.00	7.6%	100%	Full	1234	11.9/66.1	11.8/0.5	3.2/20.1	5/24.3	4.8/2.8	987	80.00%



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS<sup>®</sup> 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/>

