

# 80 PLUS Verification and Testing Report

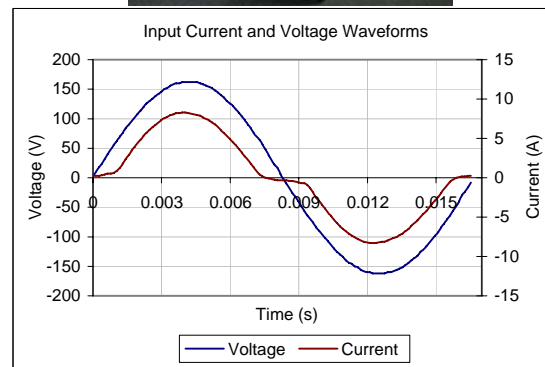
**TYPICAL EFFICIENCY (50% Load):** 86.26%  
**AVERAGE EFFICIENCY :** 84.71%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	831.1
Manufacturer	AKASA
Model Number	AK-PT050FG
Serial Number	NA
Year	2008
Type	ATX12V
Test Date	10/7/2008

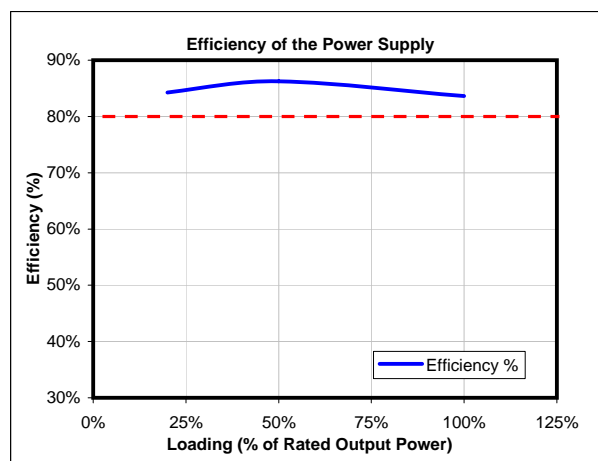
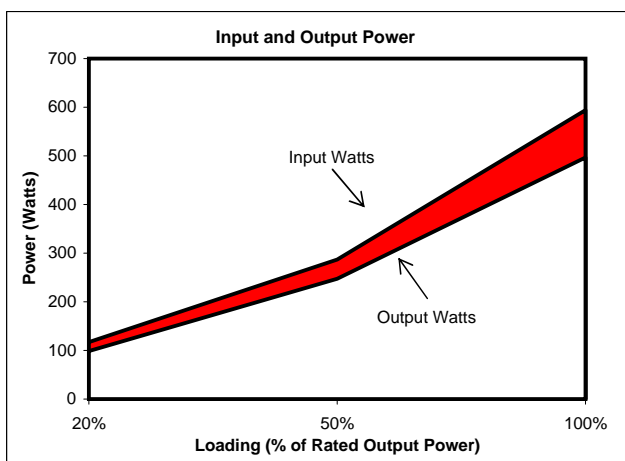
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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



Input AC Current Waveform (ITHD = 26.33%, 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		
1.03	0.99	13.7%	20%	Light	117	11.6/6.4	11.4/0	3.4/2.8	5.2/2.3	5.1/0.4	98	84.23%
2.59	0.96	26.3%	50%	Typical	287	11.7/16	11.5/0.1	3.4/6.9	5.1/5.8	5.1/1	247	86.26%
5.29	0.98	21.0%	100%	Full	594	11.9/32	11.7/0.2	3.3/13.8	5/11.5	5/2	497	83.65%



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/>

