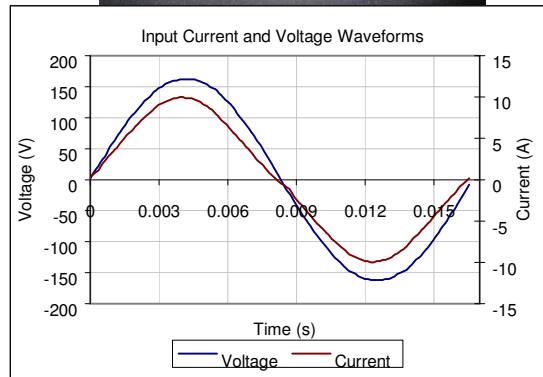


# 80 PLUS Verification and Testing Report

**TYPICAL EFFICIENCY (50% Load):** 86.22%  
**AVERAGE EFFICIENCY :** 84.04%  
**80 PLUS COMPLIANT:** YES



Ecos ID #	902
Manufacturer	AMA Precision INC.
Model Number	AA650U-C
Serial Number	NA
Year	2008
Type	ATX12V & EPS12V
Test Date	9/17/2008

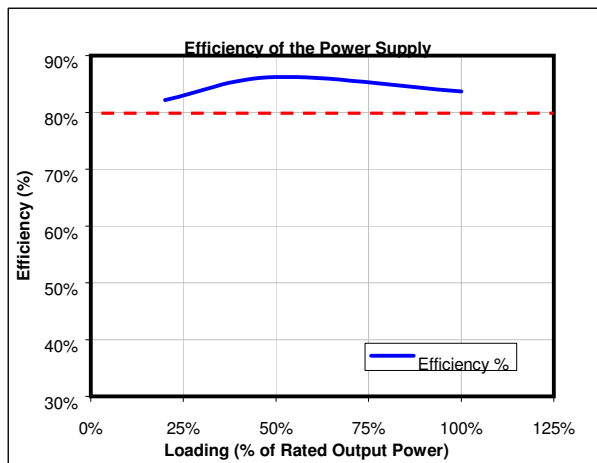
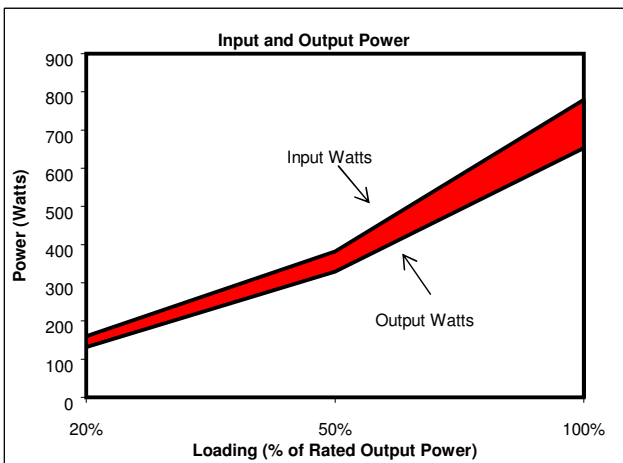


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	47-63	Hz
<b>Rated Output Power</b>	<b>650</b>	<b>Watts</b>

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

Input AC Current Waveform (ITHD = 6.98%, 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		
1.42	0.98	7.3%	20%	Light	160	12.2/8.2	12.2/0.1	3.3/3.6	5.1/3.3	5.1/0.4	132	82.19%
3.34	0.99	7.0%	50%	Typical	382	12.1/20.6	12.2/0.2	3.3/8.9	5.1/8.3	5.1/0.9	329	86.22%
6.80	1.00	6.6%	100%	Full	780	12/41.1	12.3/0.5	3.3/17.7	5.1/16.6	5.1/1.9	653	83.71%



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/>

