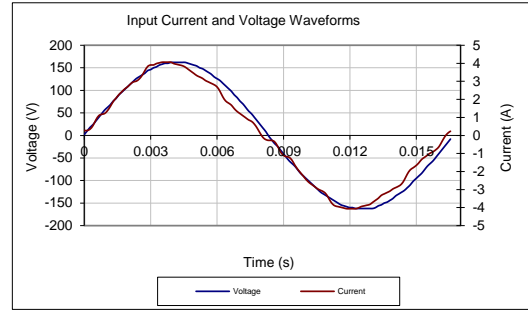


80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.70%
AVERAGE EFFICIENCY :	84.82%
80 PLUS COMPLIANT:	YES



ID #	3534.7
Manufacturer	Micro-Star International Co., Ltd.
Model Number	MAG A550BN
Serial Number	N/A
Year	2013
Type	ATX12V
Test Date	4/10/13

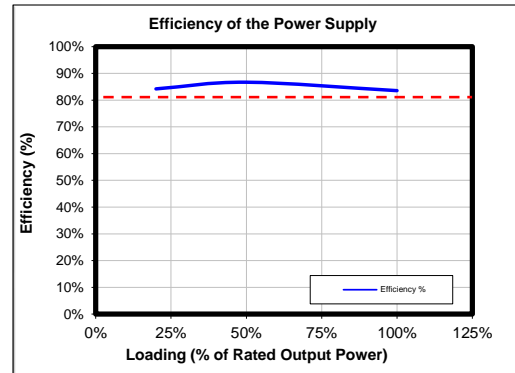
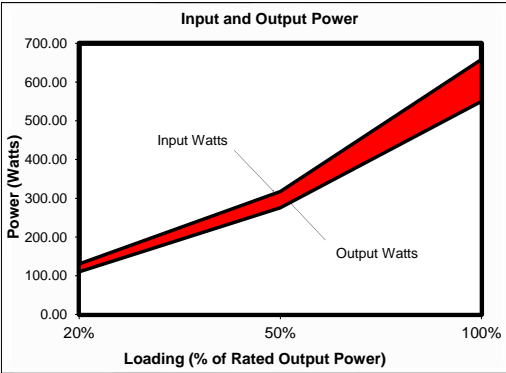


Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	47-63	Hz
Rated Output Power	550	Watts

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

Input AC Current Waveform (ITHD = 8.01%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	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		
0.63	0.97	17.64%	10%	70.36	11.9/3.7	11.6/0	3.4/1.2	5.1/1.1	5.1/0.2	55.04	78.23%
1.15	0.98	13.07%	20%	130.59	11.9/7.3	11.6/0.1	3.4/2.5	5.1/2.2	5.1/0.4	109.97	84.21%
2.78	0.99	8.01%	50%	317.66	11.9/18.4	11.7/0.1	3.4/6.2	5.1/5.5	5/1.1	275.41	86.70%
5.76	0.99	5.96%	100%	658.30	12/36.8	11.9/0.3	3.4/12.4	5/10.9	5/2.2	549.99	83.55%



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/>