

80 PLUS Verification and Testing Report

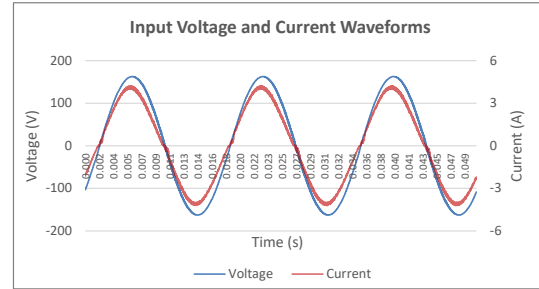
TYPICAL EFFICIENCY (50% Load):	87.55%
AVERAGE EFFICIENCY :	82.68%
80 PLUS COMPLIANT:	Bronze



ID Number	7093
Manufacturer	Micro-Star International Co., Ltd.
Model Number	MAG A550BNL
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	7/7/23

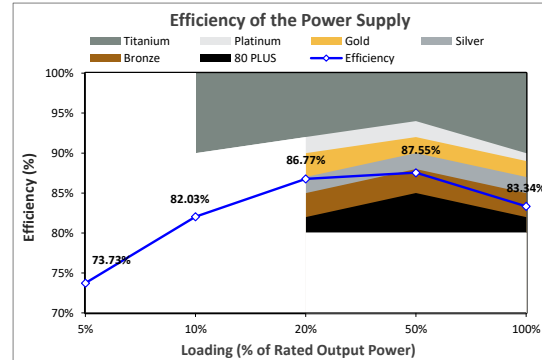
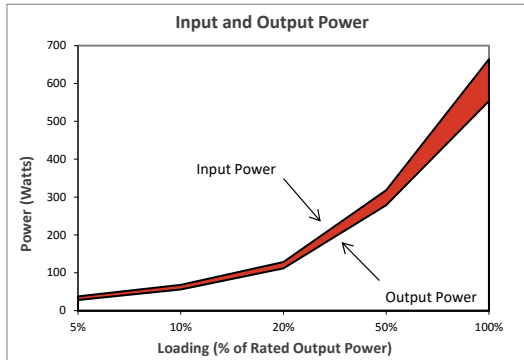
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 5.61%, 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			
0.102	0.5048	19.21	0%	5.94	No-Load						
0.348	0.9443	15.59	5%	37.77	12.19/1.87	11.83/0.01	3.32/0.53	5.03/0.53	5.11/0.1	27.85	73.73%
0.606	0.9747	12.08	10%	67.97	12.18/3.75	11.77/0.02	3.31/1.05	5.03/1.05	5.11/0.21	55.76	82.03%
1.129	0.9903	7.97	20%	128.62	12.17/7.5	11.72/0.06	3.31/2.1	5.03/2.1	5.1/0.42	111.61	86.77%
2.779	0.9956	5.61	50%	318.30	12.12/18.82	11.8/0.12	3.31/5.25	5.03/5.25	5.06/1.04	278.67	87.55%
5.787	0.9984	3.53	100%	664.08	12.04/37.57	11.99/0.25	3.31/10.49	5.04/10.51	5/2.08	553.43	83.34%



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/>