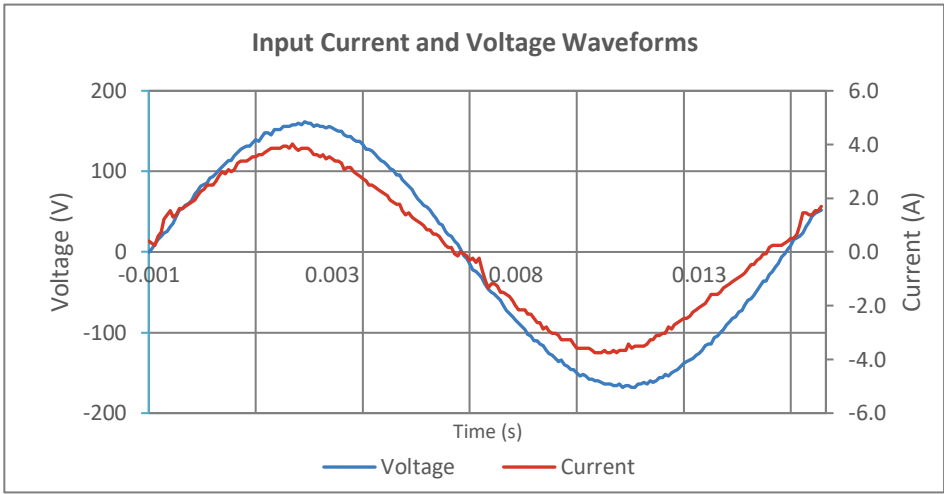


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	85.31%
AVERAGE EFFICIENCY :	82.06%
80 PLUS COMPLIANT:	Standard



ID Number	6797
Manufacturer	Micro-Star International Co., Ltd.
Model Number	MAG A500DN
Serial Number	N/A
Year	2022
Type	ATX12V
Test Date	3/28/22

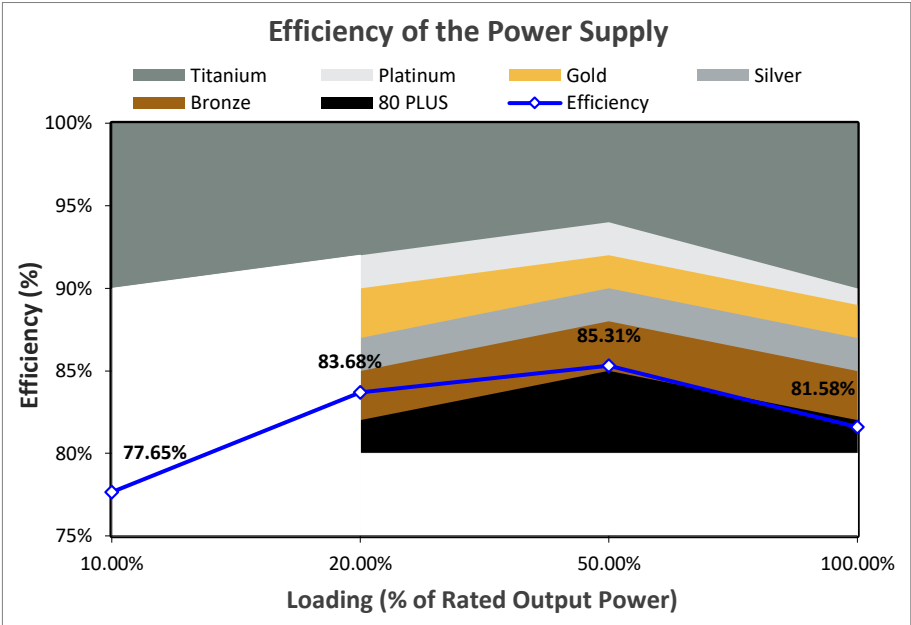
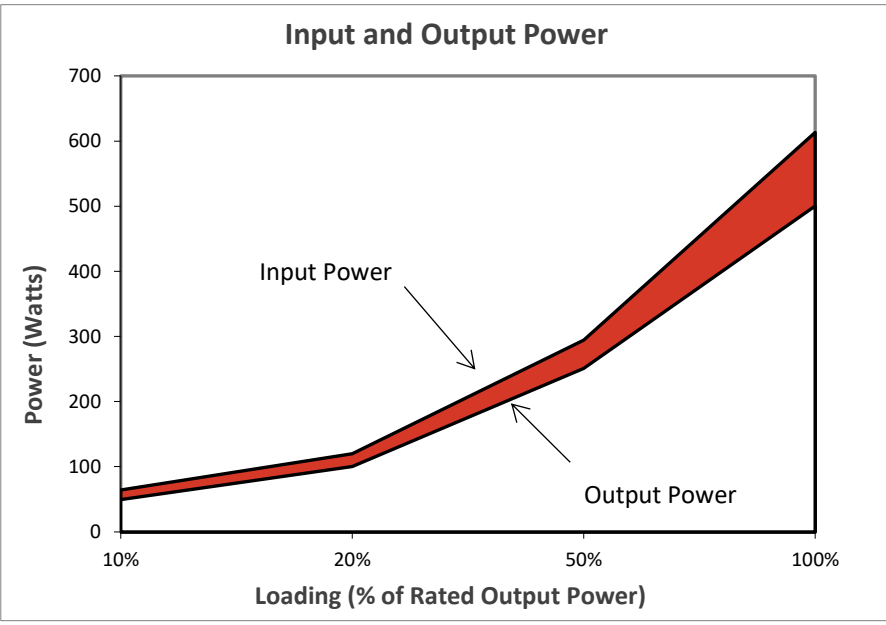


Input AC Current Waveform (ITHD = 6.11%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	110-240	Volts
Input Current	8	Amps
Input Frequency	50-60	Hz
Rated Output Power	500	Watts

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

I <sub>RMS</sub>	PF	I <sub>THD</sub>	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		
0.576	0.9717	11.32%	10%	64.40	11.82/3.31	11.49/0.03	3.39/1.1	5.2/1.1	5.14/0.22	50.01	77.65%
1.055	0.9870	8.77%	20%	119.72	11.91/6.61	11.6/0.05	3.38/2.19	5.16/2.19	5.13/0.43	100.18	83.68%
2.584	0.9913	6.11%	50%	294.50	11.99/16.53	11.78/0.13	3.35/5.48	5.1/5.43	5.1/1.08	251.24	85.31%
5.351	0.9963	4.61%	100%	613.20	11.99/32.98	11.99/0.26	3.31/10.97	5.02/10.85	5.05/2.17	500.24	81.58%



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/>