

80 PLUS Verification and Testing Report

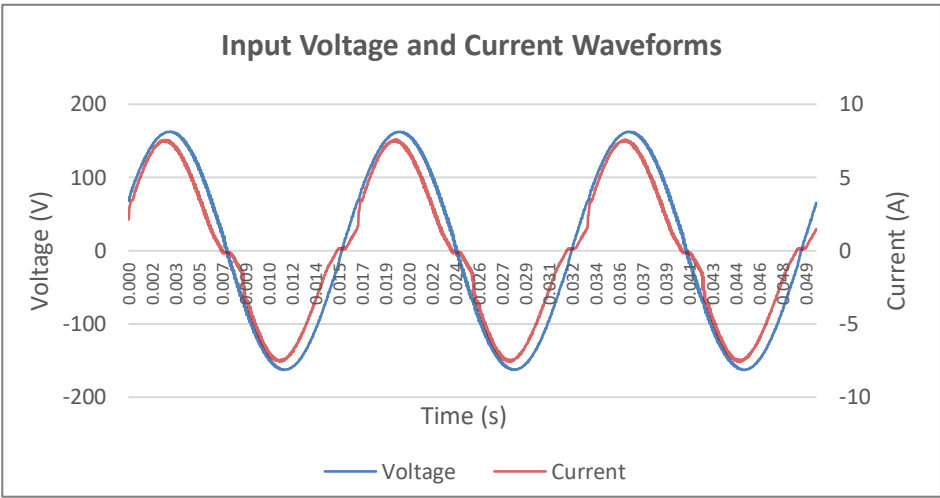
TYPICAL EFFICIENCY (50% Load):	91.80%
AVERAGE EFFICIENCY :	87.94%
80 PLUS COMPLIANT:	Gold



ID Number	7267
Manufacturer	Micro-Star International Co., Ltd.
Model Number	MAG A1000GL PCIE5
Serial Number	N/A
Year	2024
Type	ATX12V
Test Date	1/19/24

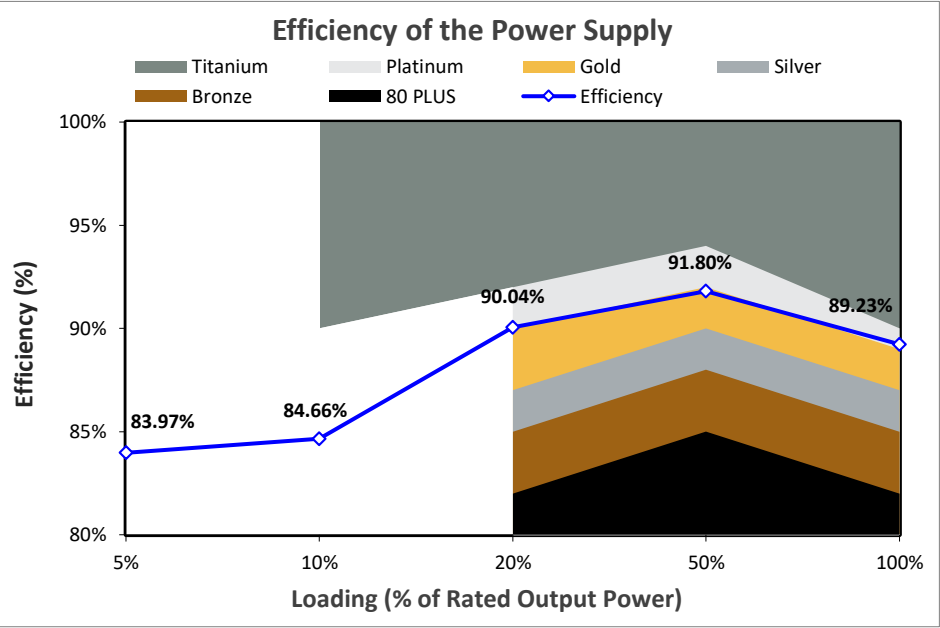
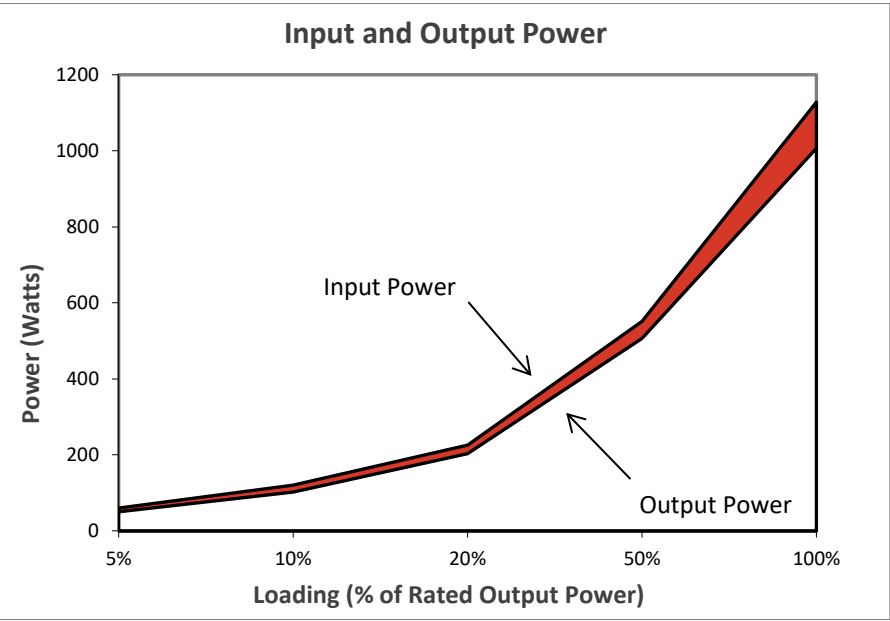
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		13	Amps
Input Frequency		50-60	Hz
Rated Output Power		1000	Watts

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



Input AC Current Waveform (ITHD = 14.74%, 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	5Vstb		
0.101	0.3252	19.86	0%	3.79	No-Load						
0.541	0.9659	21.06	5%	60.13	12.11/3.66	11.97/0.013	3.34/0.64	5.04/0.64	5.06/0.132	50.49	83.97%
1.066	0.9774	19.33	10%	119.88	12.18/7.32	11.99/0.026	3.34/1.27	5.04/1.27	5.06/0.264	101.49	84.66%
1.989	0.9850	16.41	20%	225.38	12.18/14.64	12.04/0.053	3.34/2.54	5.04/2.54	5.05/0.527	202.94	90.04%
4.863	0.9857	14.74	50%	551.07	12.14/36.6	12.18/0.132	3.35/6.35	5.05/6.35	5.06/1.318	505.89	91.80%
9.883	0.9923	10.82	100%	1127.98	12.07/73.2	12.41/0.264	3.34/12.7	5.04/12.7	5/2.635	1006.45	89.23%



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/>