

80 PLUS Verification and Testing Report

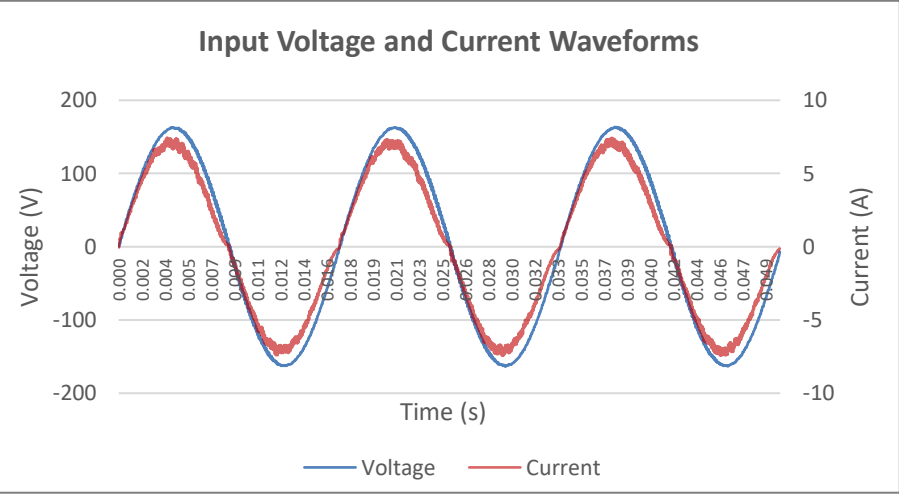
TYPICAL EFFICIENCY (50% Load):	90.96%
AVERAGE EFFICIENCY :	87.84%
80 PLUS COMPLIANT:	Gold



ID Number	7065.2
Manufacturer	SAMA
Model Number	MXT-1000-A
Serial Number	N/A
Year	2023
Type	ATX12V, EPS12V
Test Date	6/7/23

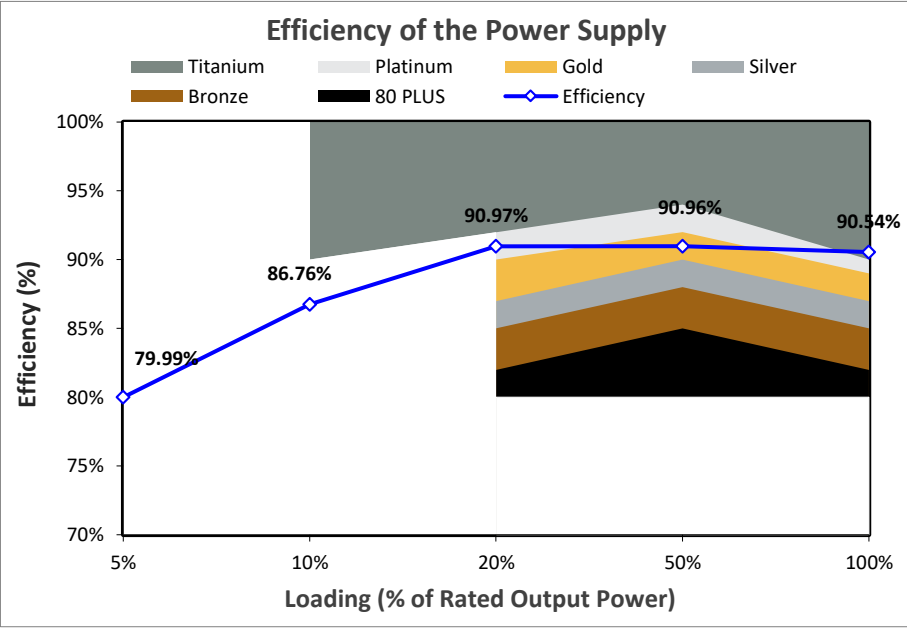
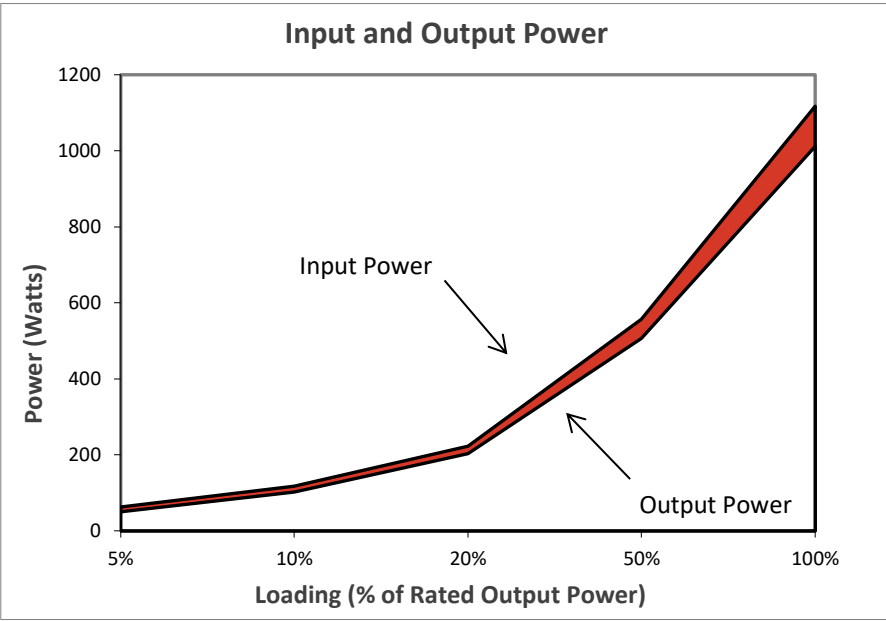
Rated Specifications		Value	Units
Input Voltage		100-240	Volts
Input Current		15-8	Amps
Input Frequency		50-60	Hz
Rated Output Power		1000	Watts

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



Input AC Current Waveform (ITHD = 4.73%, 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		
0.167	0.5326	29.59	0%	10.20	No-Load						
0.591	0.9296	10.72	5%	63.21	12.11/3.72	12.58/0.02	3.33/0.54	5.04/0.54	5.1/0.13	50.57	79.99%
1.061	0.9568	6.46	10%	116.73	12.11/7.46	12.53/0.05	3.32/1.08	5.04/1.08	5.1/0.27	101.27	86.76%
1.969	0.9823	5.09	20%	222.38	12.11/14.92	12.48/0.07	3.32/2.15	5.03/2.15	5.09/0.54	202.29	90.97%
4.864	0.9950	4.73	50%	556.87	12.11/37.38	12.35/0.18	3.31/5.37	5.02/5.37	5.07/1.34	506.56	90.96%
9.736	0.9970	5.12	100%	1117.15	12.12/74.63	12.13/0.36	3.3/10.73	5.01/10.75	5.03/2.68	1011.46	90.54%



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/>