

# 80 PLUS Verification and Testing Report

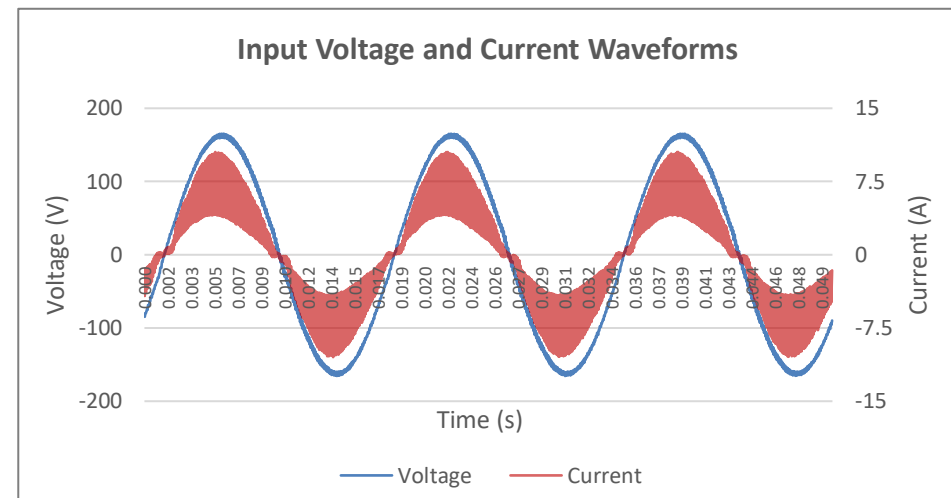
TYPICAL EFFICIENCY (50% Load):	91.63%
AVERAGE EFFICIENCY :	87.38%
80 PLUS COMPLIANT:	Gold



ID Number	7265
Manufacturer	Acer Incorporated
Model Number	AC1000
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	1/8/24

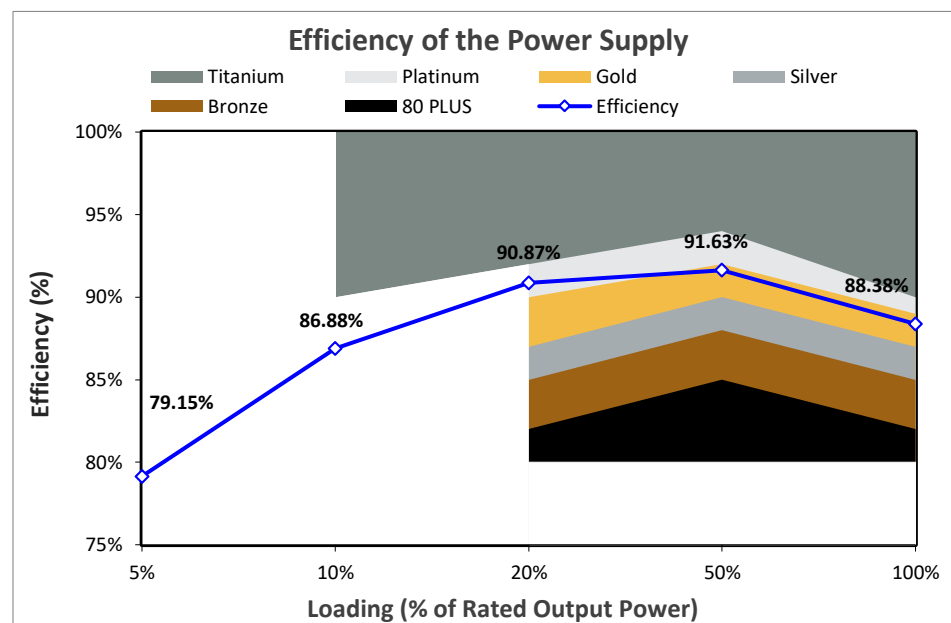
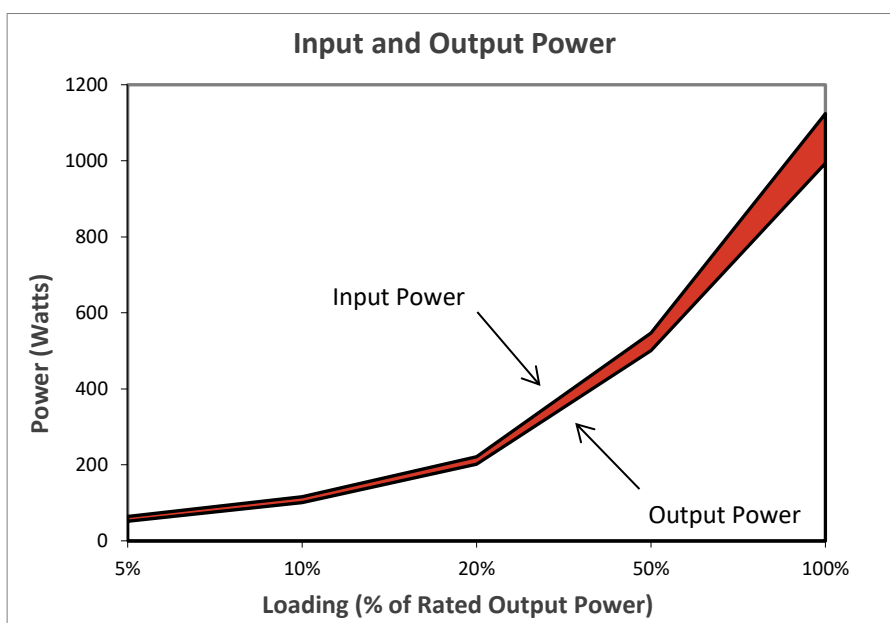
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	10	Amps
Input Frequency	47-63	Hz
Rated Output Power	1000	Watts

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



Input AC Current Waveform (ITHD = 8.45%, 50% Load)

I <sub>RMS</sub> (A)	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			5Vstb
0.165	0.3898	19.21	0%	7.40	No-Load						
1.018	<b>0.5481</b>	13.10	5%	64.17	12.17/3.76	12.7/0.015	3.39/0.5	5.18/0.5	5.01/0.125	50.79	79.15%
1.499	<b>0.6727</b>	8.80	10%	115.89	12.05/7.51	12.64/0.03	3.39/1	5.17/1	5/0.25	100.69	86.88%
2.303	<b>0.8353</b>	19.99	20%	221.23	12.04/15.02	12.19/0.06	3.38/2	5.16/2	4.98/0.5	201.03	90.87%
5.028	<b>0.9447</b>	8.45	50%	546.25	12/37.54	12.2/0.15	3.34/5	5.1/5	4.92/1.25	500.50	91.63%
10.243	<b>0.9545</b>	6.11	100%	1124.07	11.92/75.08	12.91/0.3	3.27/10	5/10	4.81/2.498	993.46	88.38%



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/>