

80 PLUS Verification and Testing Report

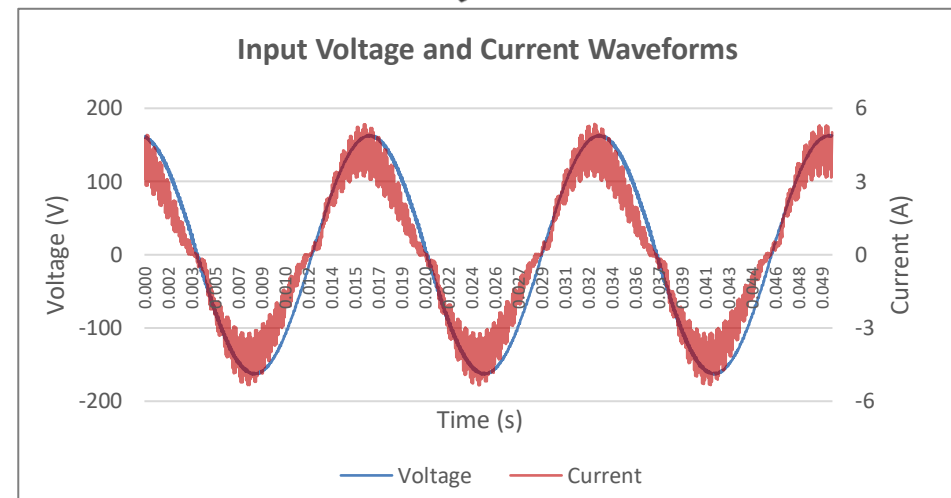
TYPICAL EFFICIENCY (50% Load):	86.03%
AVERAGE EFFICIENCY :	80.11%
80 PLUS COMPLIANT:	Bronze



ID Number	7262
Manufacturer	Acer Incorporated
Model Number	AC550
Serial Number	N/A
Year	2023
Type	ATX12V
Test Date	1/5/24

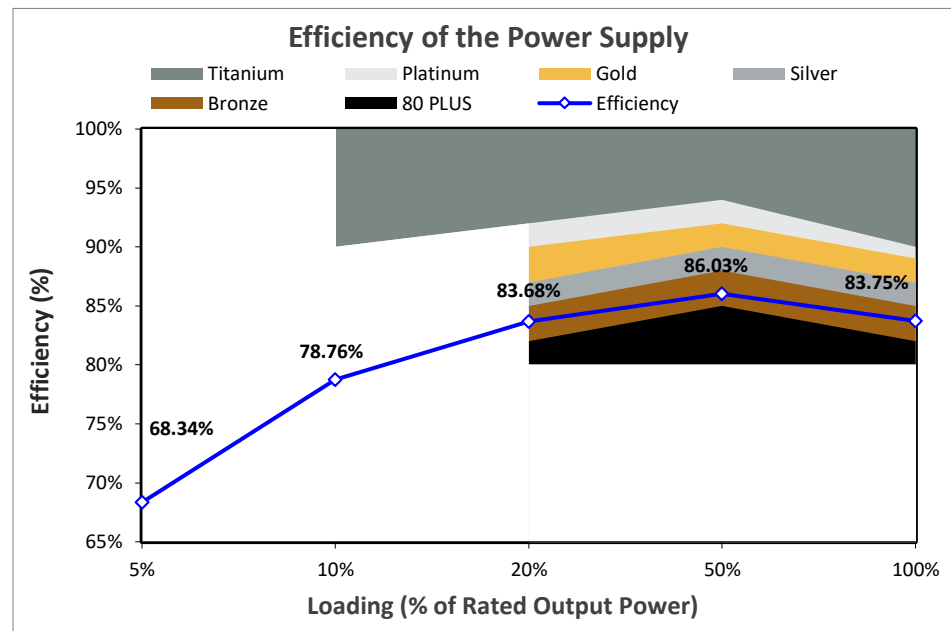
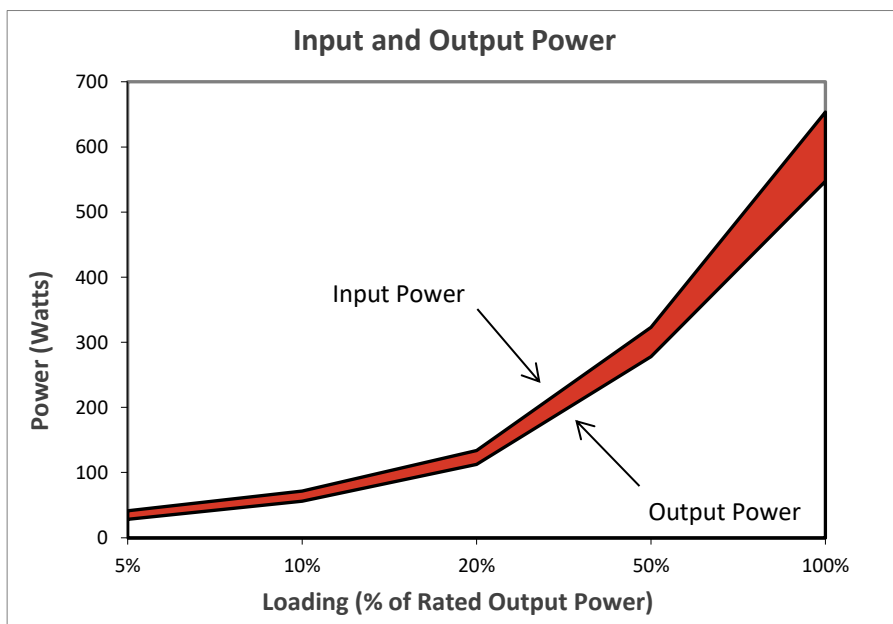
Rated Specifications	Value	Units
Input Voltage	115/230	Volts
Input Current	6.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 11.2%, 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		
0.118	0.4886	27.45	0%	6.61	No-Load						
0.466	0.7697	25.56	5%	41.25	12.25/1.95	11.93/0.013	3.43/0.42	5.28/0.42	5.21/0.087	28.19	68.34%
0.735	0.8447	17.80	10%	71.45	12.23/3.91	11.93/0.026	3.42/0.84	5.26/0.84	5.2/0.174	56.28	78.76%
1.275	0.9146	20.14	20%	134.18	12.2/7.82	11.94/0.052	3.41/1.67	5.24/1.67	5.17/0.347	112.29	83.68%
2.899	0.9704	11.20	50%	323.45	12.1/19.54	11.97/0.13	3.37/4.18	5.17/4.18	5.1/0.868	278.26	86.03%
5.777	0.9836	7.70	100%	653.44	11.91/39.07	12.01/0.26	3.28/8.37	5.02/8.37	4.96/1.736	547.25	83.75%



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/>