

# 80 PLUS Verification and Testing Report

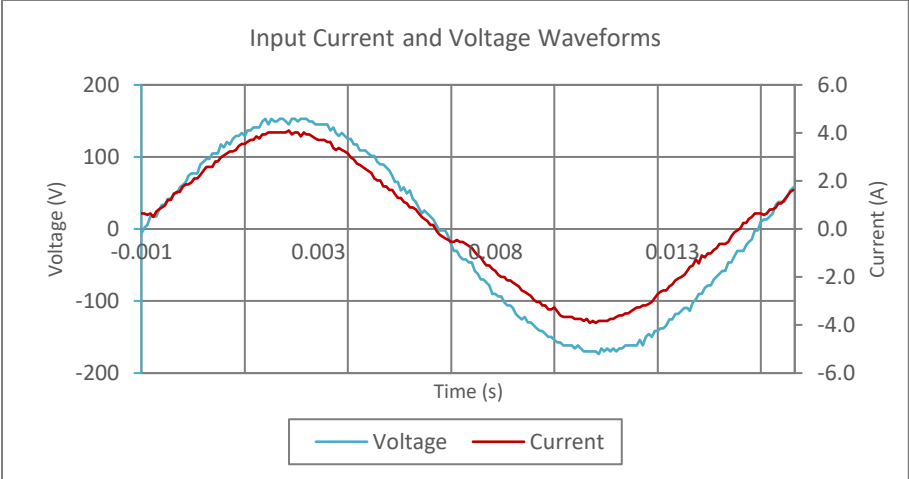
TYPICAL EFFICIENCY (50% Load):	90.61%
AVERAGE EFFICIENCY :	89.36%
80 PLUS COMPLIANT:	YES



ID Number	6451
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	AERO GOLD 550W
Serial Number	N/A
Year	2021
Type	ATX12V
Test Date	2/4/21

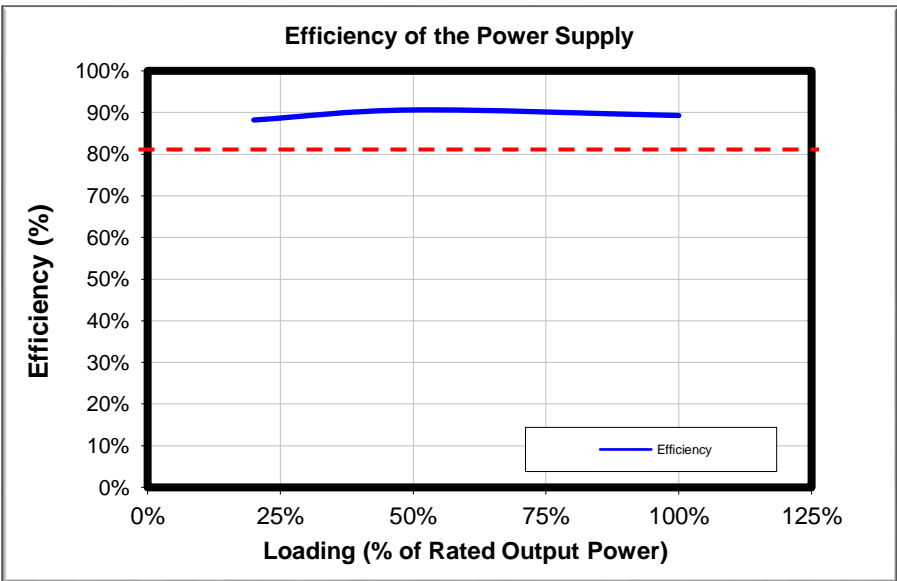
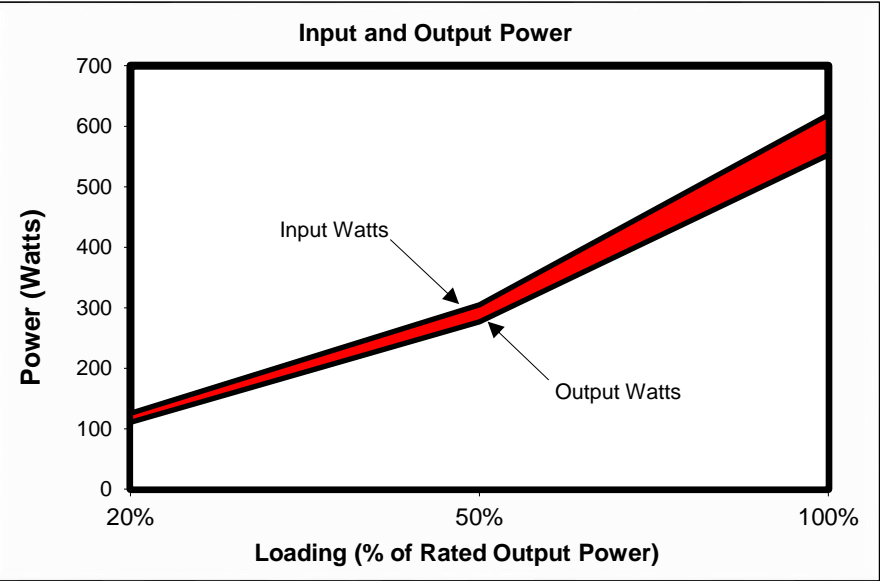
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 7.18%, 50% Load)

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		
0.61	0.95	13.26%	10%	67.13	12.01/3.73	12.14/0.02	3.39/1.09	5.06/1.09	5.06/0.21	55.28	82.35%
1.11	0.98	11.20%	20%	125.27	12.01/7.44	12.14/0.05	3.38/2.19	5.05/2.18	5.05/0.41	110.48	88.19%
2.67	0.99	7.18%	50%	305.00	12/18.66	12.16/0.12	3.37/5.47	5.04/5.42	5.02/1.03	276.36	90.61%
5.39	1.00	3.55%	100%	618.70	11.99/37.35	12.45/0.25	3.36/10.96	5.02/10.83	4.96/2.06	552.37	89.28%



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/>