

# 80 PLUS Verification and Testing Report

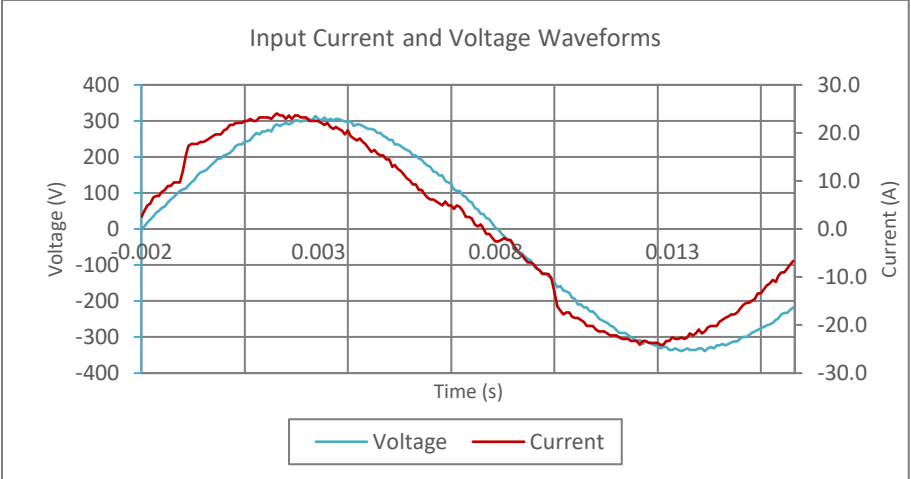
TYPICAL EFFICIENCY (50% Load):	90.53%
AVERAGE EFFICIENCY :	88.79%
80 PLUS COMPLIANT:	YES



ID Number	EU-647.1
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	AERO BRONZE 650M
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	3/3/20

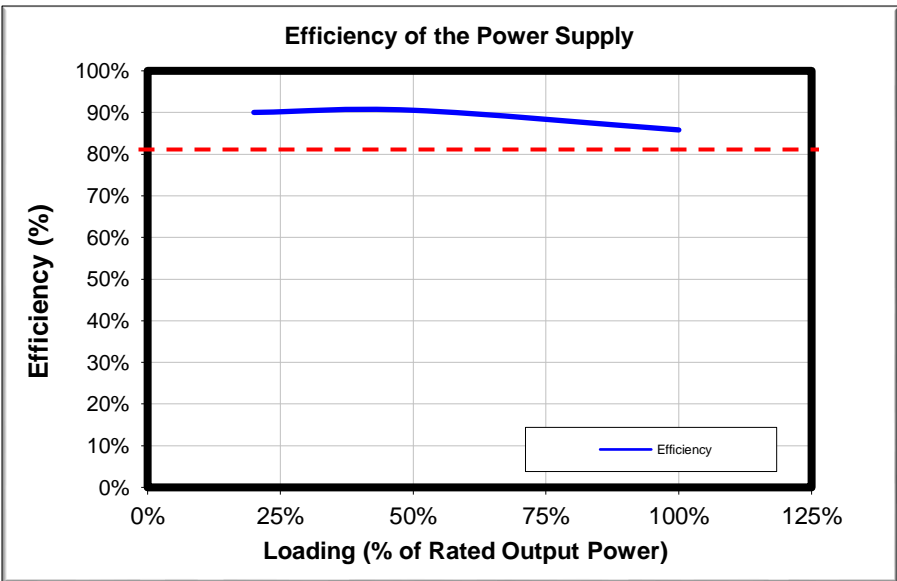
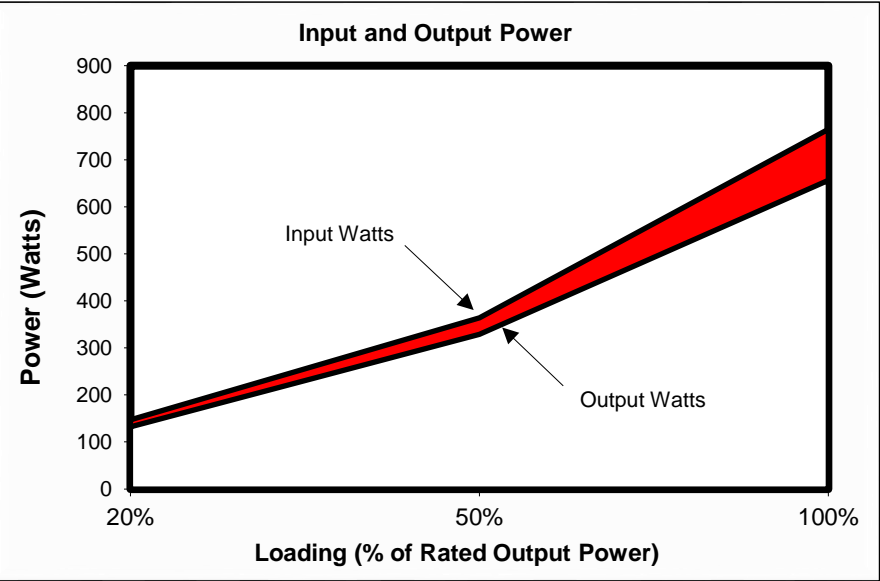
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 10.37%, 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		
0.40	0.83	17.05%	10%	76.51	12.15/4.49	11.5/0.02	3.4/1.2	5.09/1.2	5.11/0.21	66.09	86.38%
0.69	0.92	15.20%	20%	146.75	12.14/8.99	11.47/0.05	3.39/2.4	5.09/2.39	5.11/0.41	132.09	90.01%
1.63	0.97	10.37%	50%	363.90	12.11/22.48	11.52/0.12	3.39/6	5.09/5.94	5.11/1.04	329.45	90.53%
3.36	0.99	4.34%	100%	764.80	12.06/44.9	11.67/0.25	3.4/12.01	5.1/11.87	5.12/2.07	656.29	85.81%



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/>

