

80 PLUS Verification and Testing Report

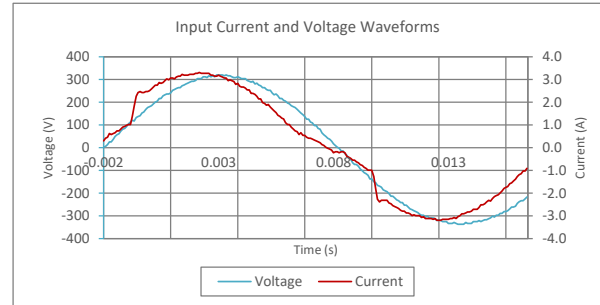
TYPICAL EFFICIENCY (50% Load):	90.27%
AVERAGE EFFICIENCY :	88.81%
80 PLUS COMPLIANT:	YES



ID Number	EU-758.1
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	LUX (RGB) 850W(M)
Serial Number	N/A
Year	2020
Type	ATX12V
Test Date	11/4/20

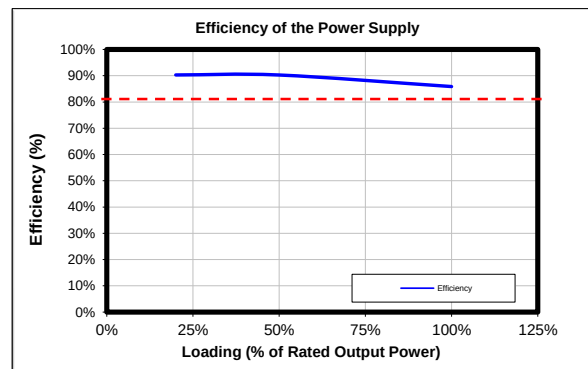
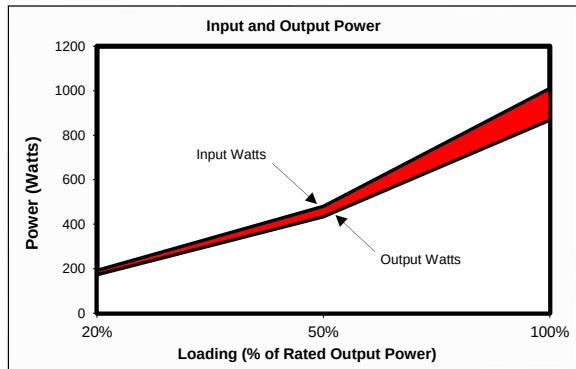
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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



Input AC Current Waveform (THD = 14.14%, 50% Load)

I _{RMS}	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	5Vsb		
0.50	0.88	27.44%	10%	99.87	12.19/6.04	11.53/0.03	3.4/1.35	5.09/1.35	5.16/0.22	86.57	86.69%
0.90	0.93	23.77%	20%	192.04	12.19/12.11	11.55/0.05	3.41/2.7	5.1/2.68	5.18/0.43	173.40	90.29%
2.16	0.97	14.14%	50%	480.50	12.18/30.29	11.64/0.13	3.44/6.75	5.13/6.69	5.26/1.08	433.77	90.27%
4.44	0.99	5.48%	100%	1010.60	12.17/60.51	11.84/0.26	3.51/13.52	5.17/13.36	5.38/2.15	867.84	85.87%



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/>

