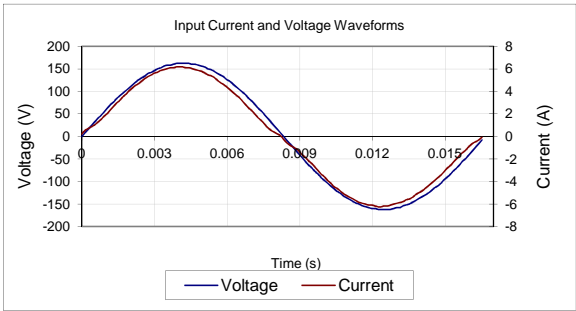


# 80 PLUS Verification and Testing Report

TYPICAL EFFICIENCY (50% Load):	86.87%
AVERAGE EFFICIENCY :	85.22%
80 PLUS COMPLIANT:	YES



Ecos ID #	4412
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	Integrator 850W
Serial Number	N/A
Year	2015
Type	EPS12V
Test Date	7/29/15

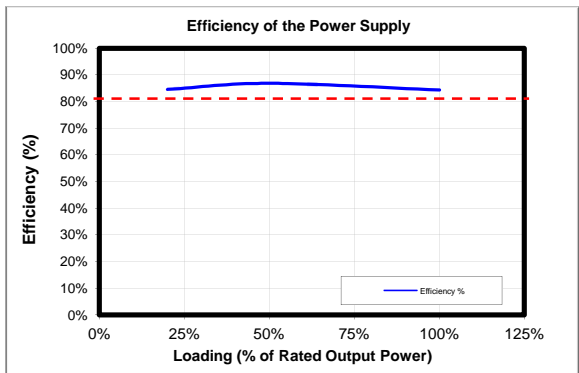
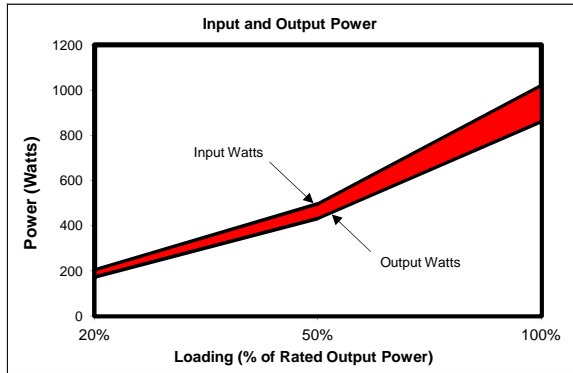


Input AC Current Waveform (ITHD = 5.3%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	850	Watts

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

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	5Vsb		
0.97	0.98	5.45%	10%	109.70	12.17/5.85	11.52/0.03	3.36/1.8	5.18/1.5	5.12/0.27	86.76	79.09%
1.80	0.99	7.55%	20%	204.70	12.17/11.68	11.55/0.05	3.36/3.6	5.19/2.98	5.1/0.54	172.97	84.50%
4.34	1.00	5.30%	50%	497.70	12.16/29.22	11.62/0.13	3.36/8.98	5.18/7.44	5.04/1.34	432.36	86.87%
8.90	1.00	4.94%	100%	1021.70	12.15/58.24	11.76/0.27	3.36/17.91	5.17/14.86	4.95/2.69	861.31	84.30%



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/>

