

80 PLUS Verification and Testing Report

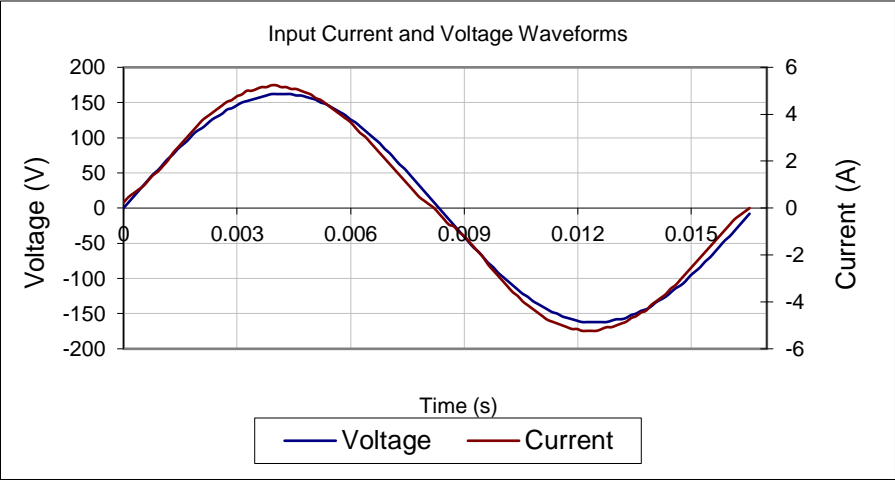
TYPICAL EFFICIENCY (50% Load):	91.24%
AVERAGE EFFICIENCY :	90.09%
80 PLUS COMPLIANT:	YES



ID #	4459.3
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	KCAS PLUS GOLD 750W
Serial Number	N/A
Year	2015
Type	EPS12V
Test Date	10/7/15

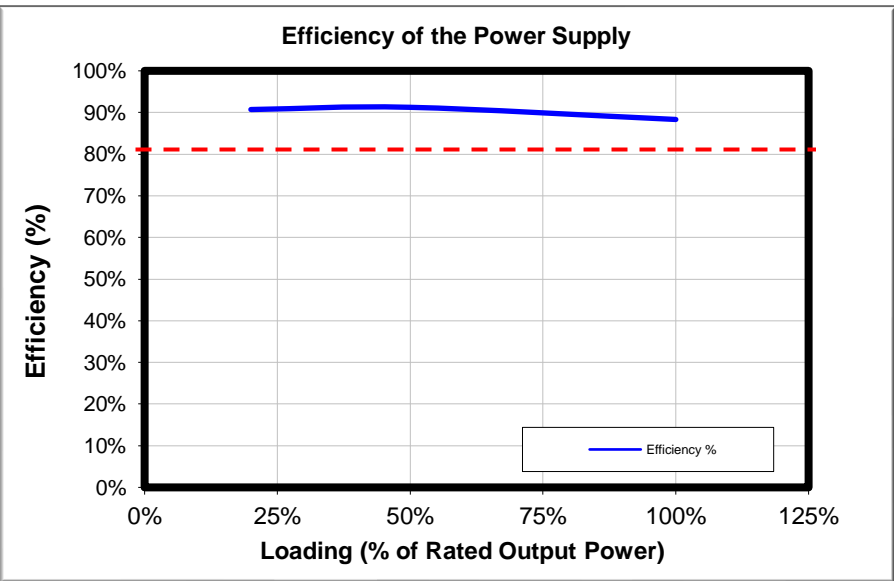
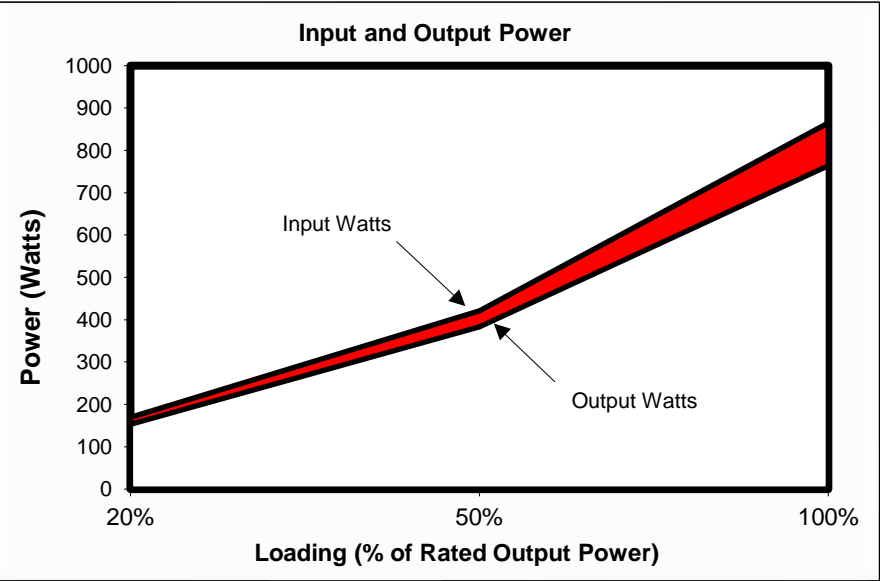
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	11-5.5	Amps
Input Frequency	47-63	Hz
Rated Output Power	750	Watts

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



Input AC Current Waveform (ITHD = 4.9%, 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	5Vsb		
0.79	0.96	14.62%	10%	88.08	12.27/5.41	11.91/0.03	3.38/1.05	5.04/1.05	5.13/0.22	76.70	87.07%
1.48	0.99	2.85%	20%	169.09	12.27/10.83	11.91/0.05	3.37/2.1	5.03/2.09	5.12/0.44	153.38	90.71%
3.67	1.00	4.90%	50%	420.40	12.26/27.13	11.91/0.13	3.36/5.25	5.02/5.21	5.08/1.09	383.59	91.24%
7.53	1.00	4.10%	100%	864.90	12.24/54.16	11.95/0.26	3.32/10.49	4.99/10.43	5.02/2.18	763.90	88.32%



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/>

