

80 PLUS Verification and Testing Report

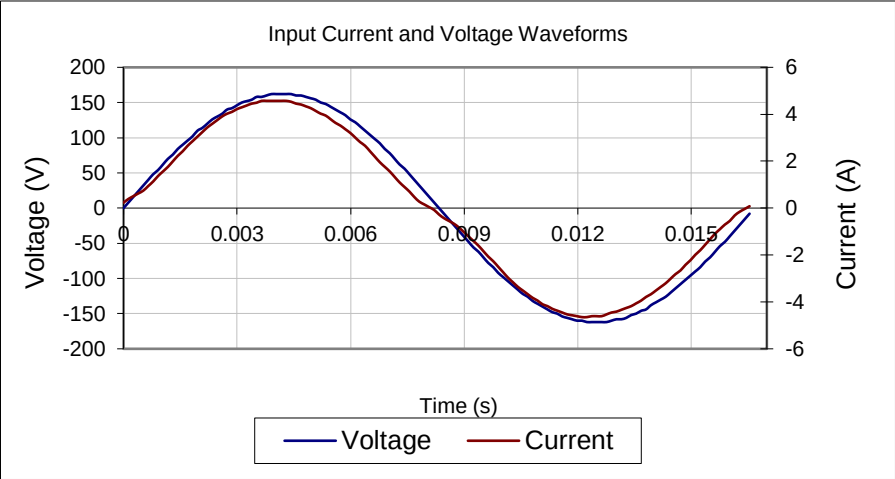
TYPICAL EFFICIENCY (50% Load):	90.38%
AVERAGE EFFICIENCY :	89.42%
80 PLUS COMPLIANT:	YES



ID #	4458.3
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	KCAS PLUS GOLD 650W
Serial Number	N/A
Year	2015
Type	EPS12V
Test Date	10/7/15

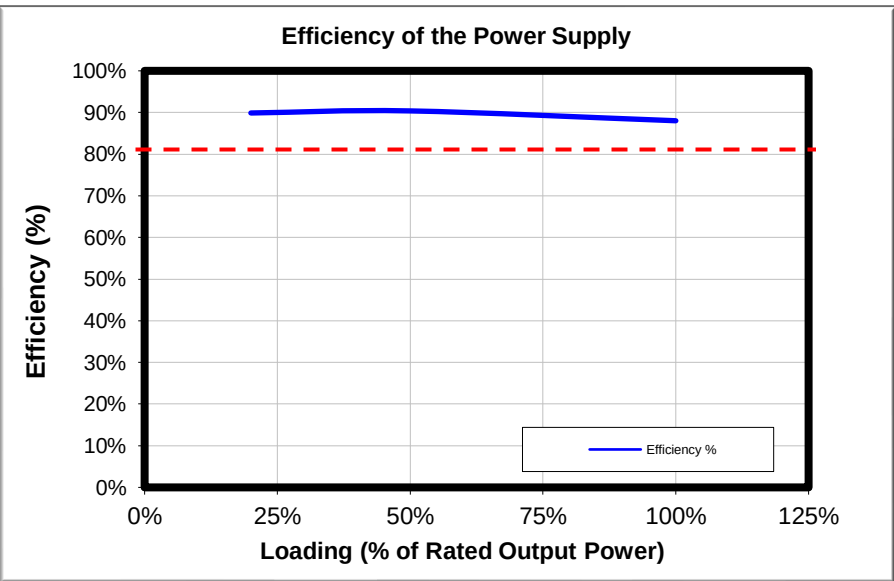
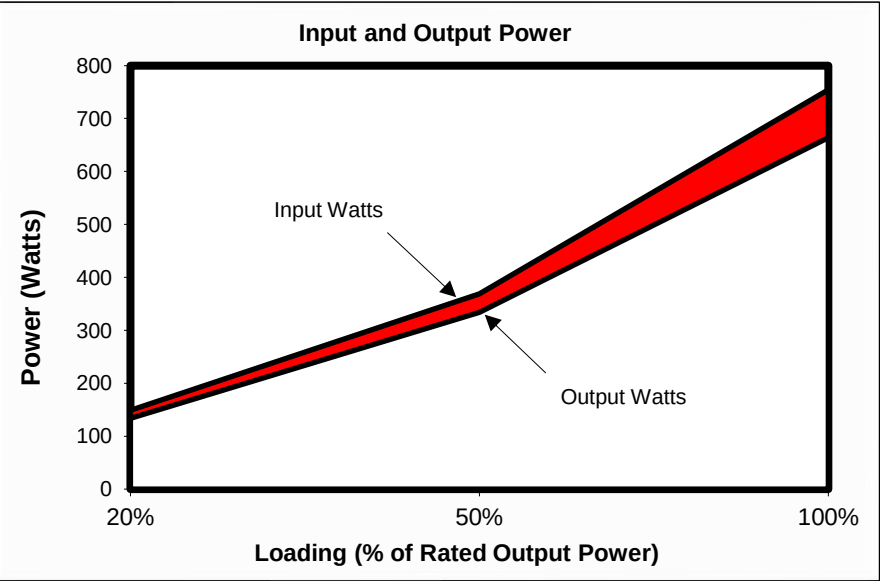
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	10-5	Amps
Input Frequency	47-63	Hz
Rated Output Power	650	Watts

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



Input AC Current Waveform (ITHD = 6.46%, 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		
0.73	0.95	15.29%	10%	79.63	12.34/4.61	11.87/0.03	3.38/1.02	5.04/1.02	5.12/0.21	66.89	84.00%
1.31	0.98	7.55%	20%	148.72	12.34/9.21	11.87/0.05	3.38/2.05	5.03/2.04	5.1/0.43	133.67	89.88%
3.22	1.00	6.46%	50%	369.10	12.32/23.05	11.88/0.13	3.36/5.12	5.02/5.08	5.07/1.06	333.58	90.38%
6.58	1.00	5.75%	100%	754.40	12.3/45.96	11.91/0.26	3.33/10.23	4.99/10.17	5.01/2.13	664.01	88.02%



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/>

