

80 PLUS Verification and Testing Report

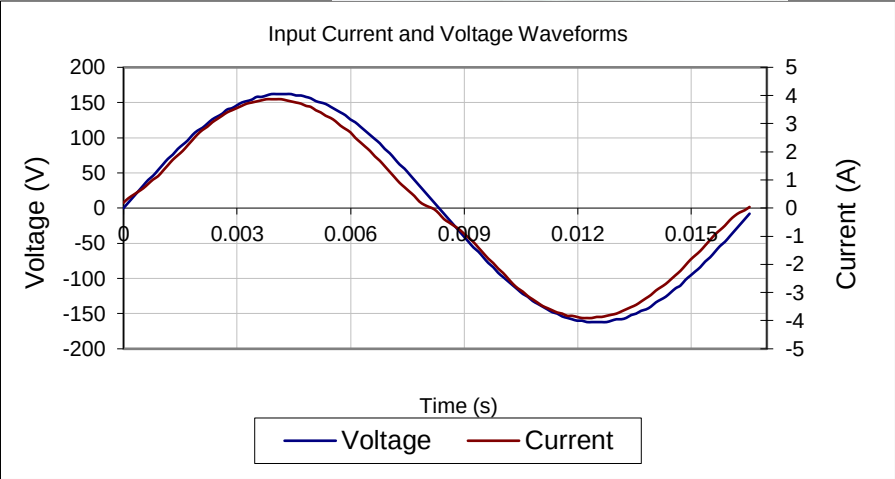
TYPICAL EFFICIENCY (50% Load):	90.69%
AVERAGE EFFICIENCY :	89.46%
80 PLUS COMPLIANT:	YES



ID #	4457.2
Manufacturer	Aerocool Advanced Technologies Corp.
Model Number	KCAS PLUS GOLD 550W
Serial Number	N/A
Year	2015
Type	EPS12V
Test Date	10/7/15

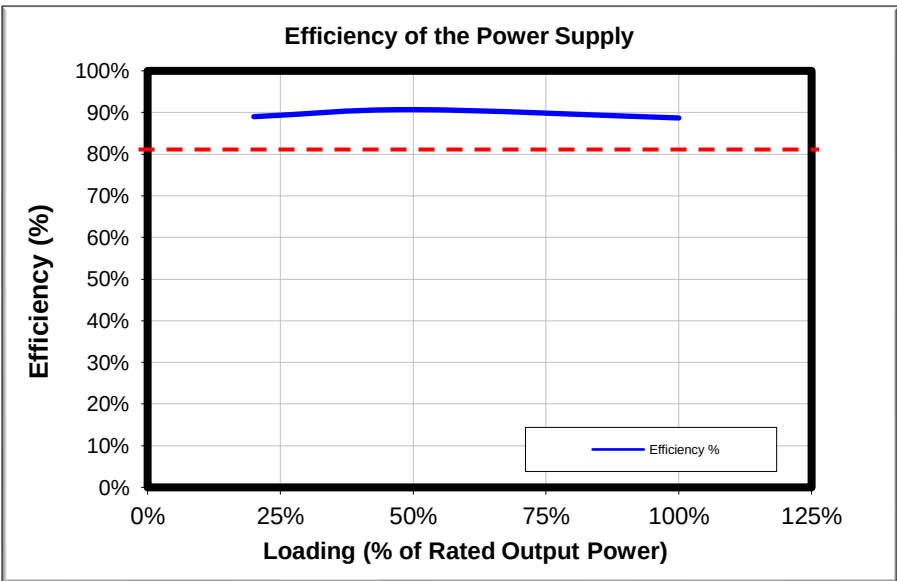
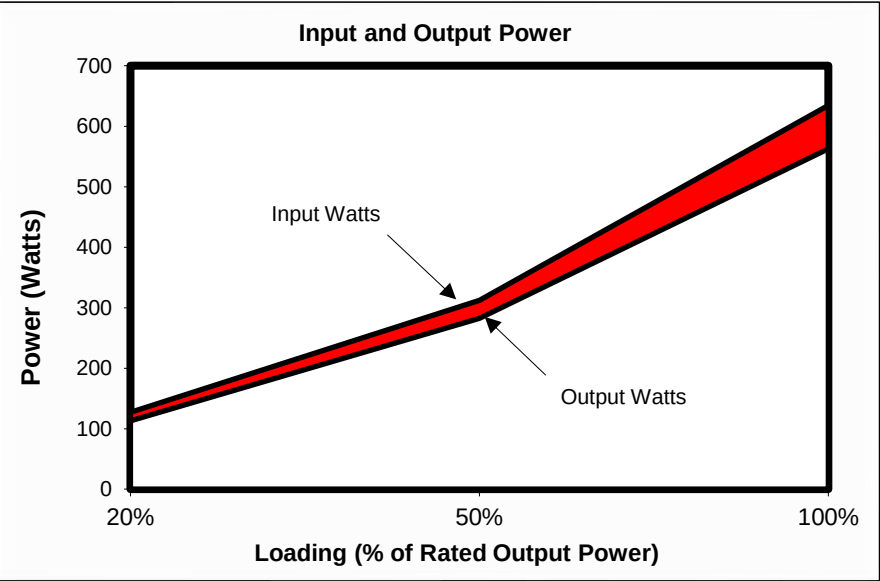
Rated Specifications	Value	Units
Input Voltage	100-240	Volts
Input Current	8-4	Amps
Input Frequency	47-63	Hz
Rated Output Power	550	Watts

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



Input AC Current Waveform (ITHD = 6.06%, 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		
0.62	0.94	15.27%	10%	67.11	12.37/3.79	11.92/0.03	3.37/1.01	5.01/1.01	5.1/0.21	56.76	84.58%
1.13	0.98	9.98%	20%	126.98	12.38/7.55	11.91/0.05	3.36/2.02	5.01/2.01	5.09/0.42	113.01	89.00%
2.72	0.99	6.06%	50%	311.70	12.36/18.92	11.92/0.13	3.35/5.05	4.99/5.01	5.06/1.05	282.67	90.69%
5.53	1.00	5.30%	100%	634.30	12.35/37.72	11.94/0.25	3.32/10.08	4.97/10.02	5.01/2.1	562.55	88.69%



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/>

