

80 PLUS Verification and Testing Report

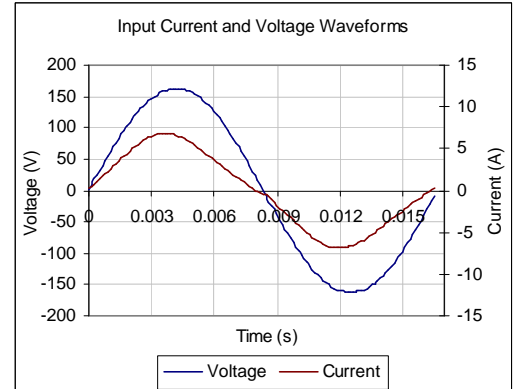
TYPICAL EFFICIENCY (50% Load):	84.75%
AVERAGE EFFICIENCY :	83.55%
80 PLUS COMPLIANT:	YES



Ecos ID #	124
Manufacturer	CoolerMaster
Model Number	RS-430-ASAA
Serial Number	N/A
Year	2006
Type	ATX12V
Test Date	9/12/2006

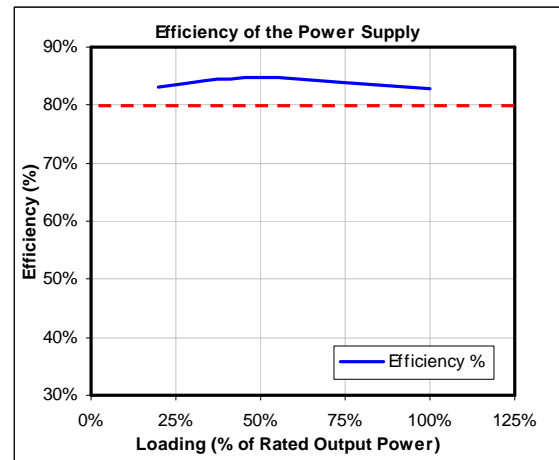
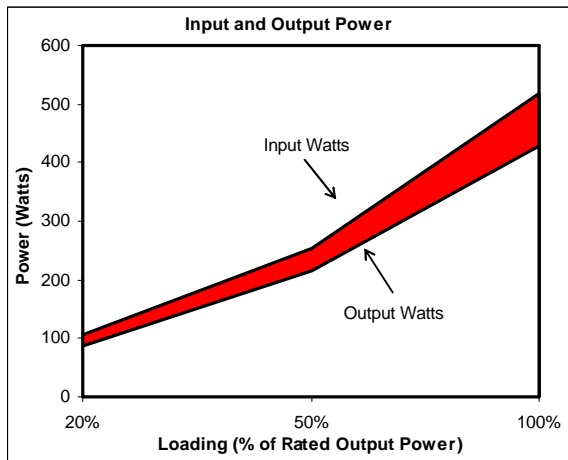
Rated Specifications	Value	Units
Input Voltage	100 - 240	Volts
Input Current	10 - 5	Amps
Input Frequency	60 - 50	Hz
Rated Output Power	430	Watts

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



Input AC Current Waveform (ITHD = 12.03%, 50% Load)

I _{RMS} A	PF	I _{THD} (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)						Output Watts	Efficiency %
						12V1	12V2	-12V	3.3V	5V*	5VSB		
0.95	0.96	13.0%	20%	Light	106	12.1/2.5	12.1/2.6	12/0.2	3.3/2.7	5/2.4	5/0.6	88	83.03%
2.25	0.98	12.0%	50%	Typical	254	12.1/6.4	12.1/6.4	12.1/0.4	3.3/6	5/6	5/1.5	216	84.75%
4.56	0.99	10.3%	100%	Full	518	12/12.7	12/12.7	12/0.8	3.3/12	4.9/12	4.9/3	429	82.87%



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/>

