

80 PLUS Verification and Testing Report

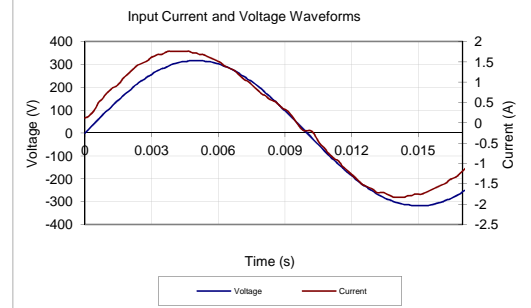
TYPICAL EFFICIENCY (50% Load):	86.93%
AVERAGE EFFICIENCY :	85.26%
80 PLUS COMPLIANT:	YES



Ecos ID #	EU-039
Manufacturer	Cooler Master
Model Number	RS-500-ACAB-B1
Serial Number	RS500ACABB11143200505
Year	2014
Type	ATX12V
Test Date	9/29/14

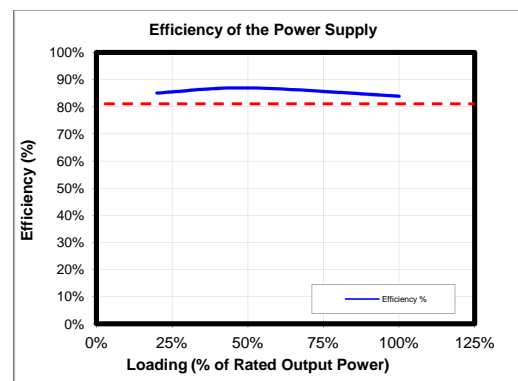
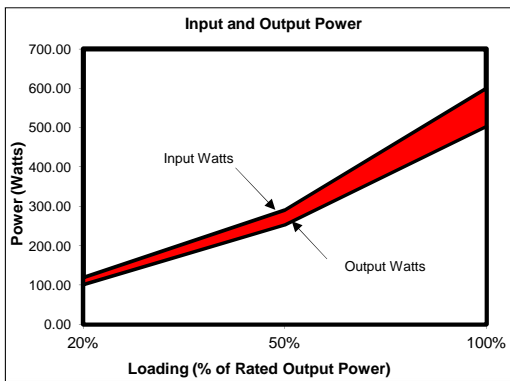
Rated Specifications	Value	Units
Input Voltage	200-240	Volts
Input Current	5	Amps
Input Frequency	47-63	Hz
Rated Output Power	500	Watts

Note: All measurements were taken with input voltage at 230 V nominal at 50 Hz.



Input AC Current Waveform (ITHD = 5.46%, 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		
0.42	0.65	14.58%	10%	63.58	12.1/3.2	11.8/0	3.4/1.2	5.1/1.2	5.1/0.2	50.69	79.72%
0.59	0.87	43.76%	20%	118.99	12.1/6.4	11.8/0.1	3.4/2.4	5.1/2.4	5.1/0.4	101.18	85.03%
1.28	0.99	5.46%	50%	290.90	12.1/16.1	12/0.1	3.4/6.1	5.1/6.1	5/1.1	252.88	86.93%
2.63	0.99	7.21%	100%	600.50	12.1/32.1	12.3/0.3	3.4/12.2	5/12.1	5/2.1	503.34	83.82%



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/>

